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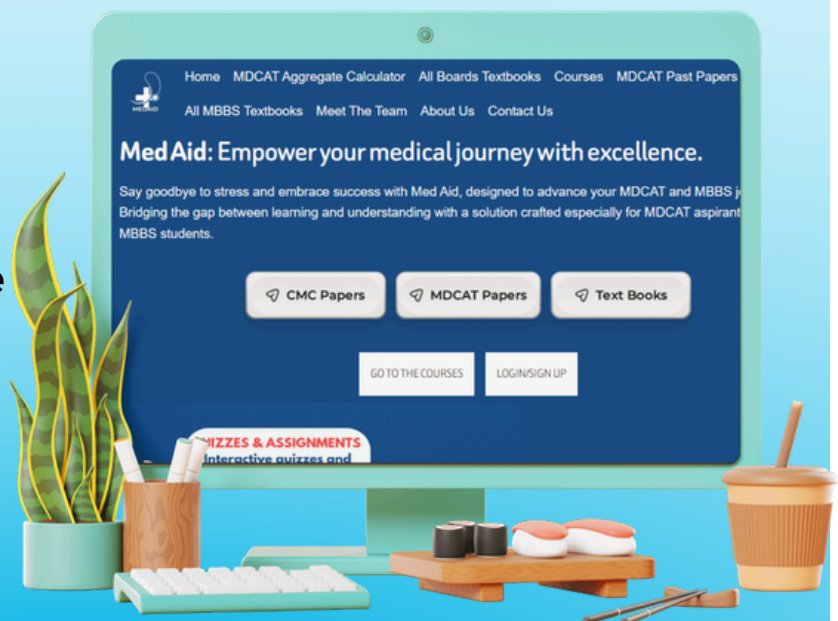
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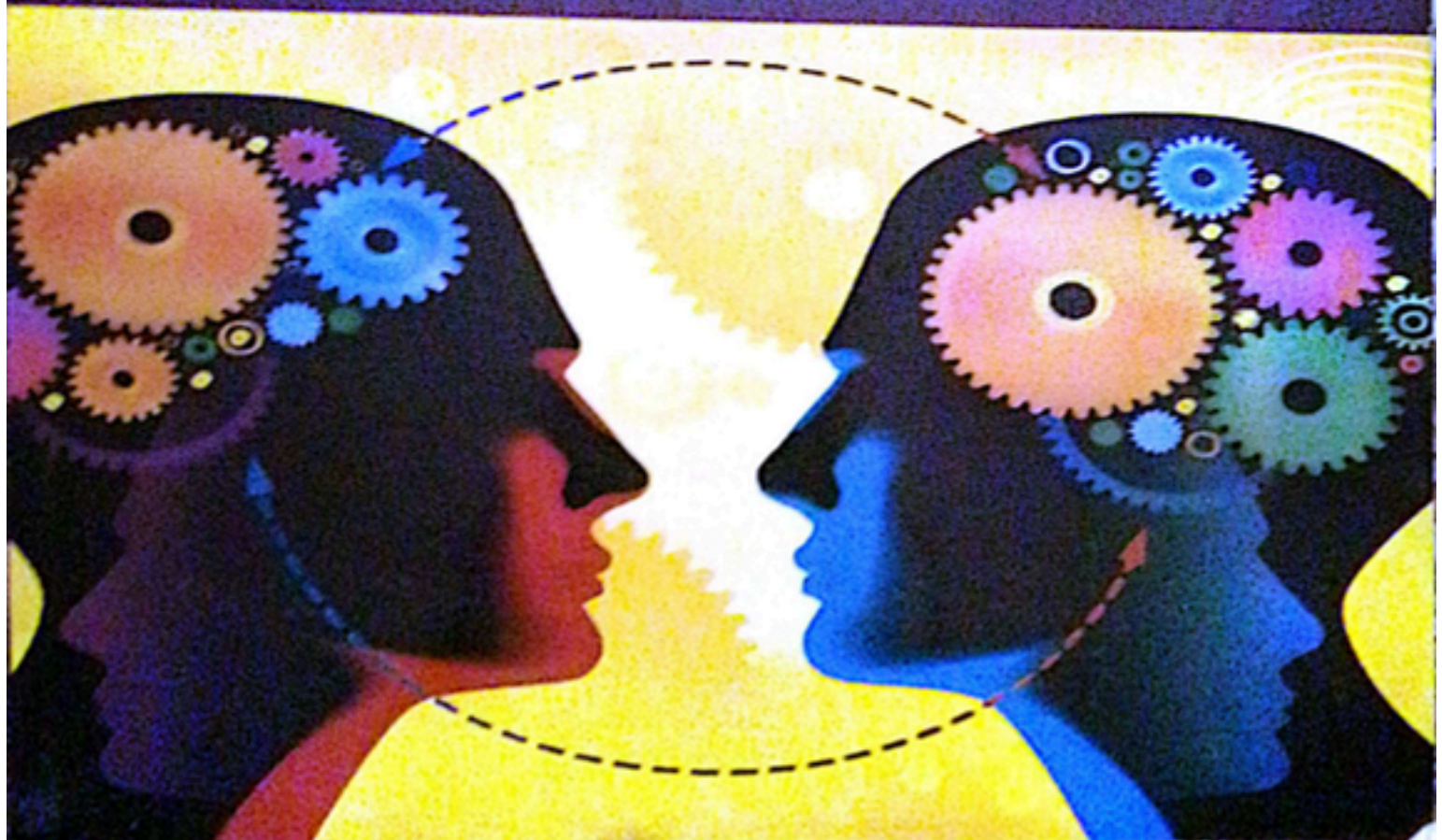
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- ▶ Topic-wise Complete Syllabus
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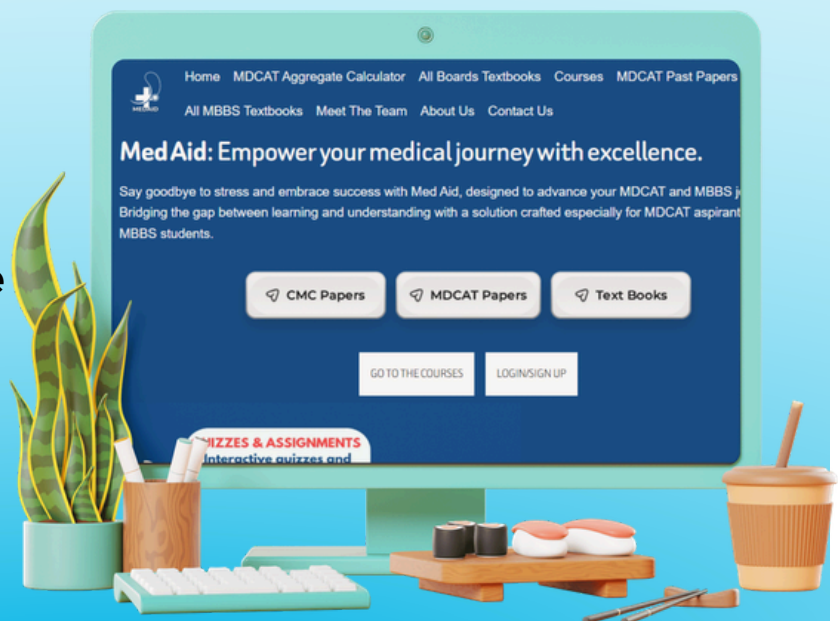
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PRE-ASSESSMENT TEST >>

- Q.1 Find the missing alphabet: A, E, J, P, W, ?
 A. E
 B. F
 C. G
 D. D
- Q.2 Statements:
 Some cats are rats. All rats are trees. Some trees are not cats.
 Conclusions:
 I. Some trees are cats.
 II. All cats are trees.
 III. All rats are cats.
 IV. No tree are cats.
 A. I is valid
 B. II is valid
 C. III is valid
 D. II and III are valid
- Q.3 There are four friends, P, Q, R and S. Each of them likes a different game: Cricket, Football, Chess and Badminton, but not in the same order.
 P Does not like Cricket and Chess
 Q likes Football
 R does not like Chess
 S does not like Badminton and Football
 Who among them likes Chess?
 A. P
 B. Q
 C. R
 D. S
- Q.4 Statement:
 The Management of School M has decided to give free breakfast from next academic year to all the students in its primary section through its canteen even though they will not get any government grant.
 Courses of Action
 I. The school will have to admit many poor students who will seek admission for the next academic year.
 II. The canteen facilities and utensils have to be checked and new purchases to be made to equip it properly.
 III. Funds will have to be raised to support the scheme for years to come.
 A. Only II and III follow
 B. Only I and III follow
 C. Only I and II follow
 D. Only I follows
- Q.5 Statements:
 I. All the sweets were rotten.
 II. Many people got sick after eating sweets from local shop.
 A. If statement I is the cause and statement II is its effect
 B. If statement II is the cause and statement. I is its effect
 C. If both the statements I and II are independent causes
 D. If both the statements I and II are effects of independent causes
- Direction
 It will be a substantial achievement in the field of education if one provides one school for every village in our country and enforce attendance.
- Q.6 Children in villages do not attend school regularly.
 A. Definitely true
 B. Probably true
 C. Data inadequate
 D. Definitely false

ANSWER KEY >>

1	A	2	A	3	D	4	A	5	A	6	A
---	---	---	---	---	---	---	---	---	---	---	---

1 TOPIC

LETTERS AND SYMBOL SERIES

INTRODUCTION

This chapter consists of questions in which series of numbers or alphabetical letters or combinations of both are given. These are generally called the terms of the series. Additionally, there are symbol series, where the terms also follow a certain pattern throughout. Furthermore, this chapter includes topics such as mathematical operations, coding-decoding, odd man out, words analogy and essential part based problems.

Types of Series:

Following are the types of series completion:

Type - 1: Number series

Example
→ 8, 16, 32, 64, 128, ?

Type - 2: Alphabetical series

Example
→ B, D, F, H, J, L, ? BZ, EW, HT, KQ, ?

Type - 3: Alpha-Numeric series

Example
→ 6, H, 9, K, 11, M, 14, P, 16, R, 19, U, 21, ?

Type - 4: Symbol series

Example
→  ?

TYPE - 1: NUMBER SERIES

CASE I: COMPLETING THE GIVEN SERIES BY FINDING THE MISSING TERM

ILLUSTRATIVE EXAMPLES (ADDITION)

Directions: Find the missing term in each of the following sequence:

Example-1:

3, 6, 9, 12, 15, ?

A. 16

B. 17

C. 18

D. 19

Solution:

Clearly, the given sequence follows the pattern: $+3, +3, +3, +3, \dots$

Thus, $3 + 3 = 6$, $6 + 3 = 9, \dots$

So, missing term $= 15 + 3 = 18$.

Hence, the answer is C.

Example-2:

2, 5, 10, 17, 26, ?

A. 29

B. 31

C. 35

D. 37

Solution:

Clearly, the given sequence follows the pattern: $+3, +5, +7, +9, +11, \dots$

Thus, $2 + 3 = 5$, $5 + 5 = 10, \dots$

So, missing term $= 26 + 11 = 37$.

Hence, the answer is D.

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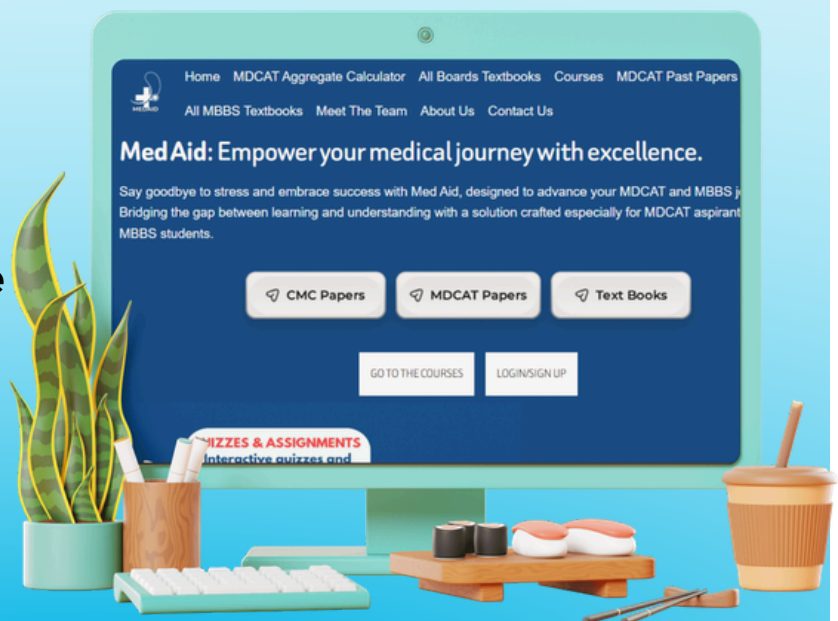
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Example-3:

1, 3, 7, ?, 21, 31, 43

- A. 11
- B. 13
- C. 15
- D. 17

Solution:

Clearly, the given sequence follows the pattern: +2, +4, +6, +8, +10, +12, ...

Thus, $1 + 2 = 3$, $3 + 4 = 7$, ...

So, missing term = $7 + 6 = 13$.

Hence, the answer is B.

Example-4:

12, 14, 34, 36, 56, 58, 78, ?

- A. 98
- B. 80
- C. 90
- D. 82

Solution:

Clearly, the given sequence follows the pattern: +2, +20, +2, +20, ...

Thus, $12 + 2 = 14$, $14 + 20 = 34$, ...

So, missing term = $78 + 2 = 80$.

Hence, the answer is B.

Example-5:

6, 10, 18, 34, 66, ?

- A. 98
- B. 126
- C. 130
- D. 132

Solution:

Clearly, the given sequence follows the pattern: +4, +8, +16, +32, ...

Thus, $6 + 4 = 10$, $10 + 8 = 18$, ...

So, missing term = $66 + 64 = 130$.

Hence, the answer is C.

Example-6:

1, 3, 3, 6, 7, 9, ?, 12, 21

- A. 15
- B. 11
- C. 12
- D. 13

Solution:

Clearly, the given sequence is a combination of two sequence:

I. 1, 3, 7, ?, 21 and II. 3, 6, 9, 12

The pattern followed in I is +2, +4, ... and the pattern followed in II is +3.

So, missing number = $7 + 6 = 13$.

Hence, the answer is D.

PRACTICE EXERCISE

NUMBER SERIES (ADDITION)

Directions: In each of the following questions, a number sequence is given with one term missing.

Choose the correct term that will continue the same pattern and replace the question mark in the given sequence.

- Q.1 7, 12, 19, 28, ?
 A. 39
 B. 38
 C. 40
 D. 41
- Q.2 0, 7, 15, 24, 34, ?
 A. 55
 B. 45
 C. 46
 D. 50
- Q.3 87, 102, 119, 138, 159, ?
 A. 184
 B. 180
 C. 182
 D. 185
- Q.4 2, 14, 32, 56, 86, ?
 A. 120
 B. 116
 C. 128
 D. 122
- Q.5 2, 20, 42, 68, 98, ?
 A. 132
 B. 130
 C. 134
 D. 136
- Q.6 1, 2, 4, 7, ?, 16
 A. 8
 B. 11
 C. 9
 D. 13
- Q.7 45, 54, 47, ?, 49, 56, 51, 57, 53
 A. 48
 B. 50
 C. 55
 D. 60
- Q.8 9, 11, 17, 35, 89, ?
 A. 143
 B. 197
 C. 250
 D. 251
- Q.9 6, 8, 10, 14, 18, 26, 34, 50, 66, ?
 A. 98
 B. 82
 C. 90
 D. 100
- Q.10 $\frac{1}{3}, \frac{3}{7}, \frac{6}{13}, \frac{10}{21}, \frac{15}{31}, ?$
 A. $\frac{21}{43}$
 B. $\frac{43}{21}$
 C. $\frac{17}{35}$
 D. $\frac{20}{41}$
- Q.11 71, 25, 83, 37, 95, 49, ?
 A. 61
 B. 107
 C. 59
 D. 105
- Q.12 2, 5, 9, ?, 20, 27
 A. 14
 B. 16
 C. 18
 D. 24

- Q.13 4,6,12,14,28,30,?
 A. 32 C. 62
 B. 60 D.64
- Q.14 11,13,17,19,23,25,?
 A. 26 C. 29
 B. 27 D. 37
- Q.15 6,11,21,36,56,?
 A. 42 C. 81
 B. 51 D. 91

NUMBER SERIES (SUBTRACTION)

- Q.16 5,5,3,-1,-7,?
 A. -15 C. 0
 B. 15 D. -13
- Q.17 17,20,19,22,21,24,23,?
 A. 22 C. 26
 B. 24 D. 2
- Q.18 2,7,5,5,8,3,11,?
 A. 1 C. 2
 B. 0 D. 3
- Q.19 2,-1,2,-1,2,?
 A. 2 C. 5
 B. -1 D. 4
- Q.20 180,140,179,138,177,134,?
 A. 120 C. 128
 B. 174 D. 175



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ANSWER KEY >>

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1	A	6	B	11	B	16	A
2	B	7	C	12	A	17	C
3	C	8	D	13	B	18	A
4	D	9	A	14	C	19	B
5	A	10	A	15	C	20	B

ILLUSTRATIVE EXAMPLES (MULTIPLICATION)

Example-1:

1, 5, 25, 125, ?

A. 625

C. 600

B. 650

D. 725

Solution:

The terms are obtained by multiplying 5 with previous term.

So, missing term = $125 \times 5 = 625$ **NUMBER SERIES (MULTIPLICATION)**

Directions: In each of the following questions, a number sequence is given with one term missing. Choose the correct term that will continue the same pattern and replace the question mark in the given sequence.

Q.1 8, 16, 32, 64, 128, ?

A. 256

C. 250

B. 384

D. 192

Q.2 $\frac{1}{32}, \frac{1}{16}, \frac{1}{4}, \frac{1}{2}, 2, 4, ?$

A. 8

C. 12

B. 16

D. 20

Q.3 2, 6, 18, 54, 162, ?

A. 486

C. 243

B. 324

D. 450

Q.4 4, 7, 15, 29, 59, 117, ?

A. 230

C. 234

B. 233

D. 235

Q.5 2, 6, 15, 34, 73, ?

A. 152

C. 151

B. 150

D. 153

Q.6 7, 13, 24, 45, 86, ?

A. 167

C. 170

B. 169

D. 172

Q.7 2, 4, 8, 32, ?

A. 256

C. 1024

B. 512

D. 120

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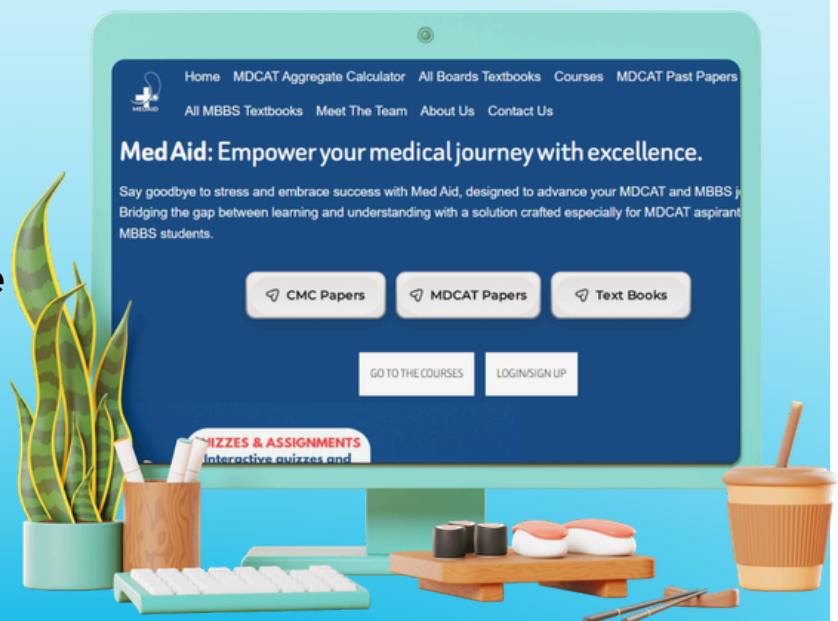
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Q.8 3,10,33,104,?

A. 310

C. 319

B. 312

D. 315

Q.9 4,12,36,108,?

A. 144

C. 304

B. 216

D. 324

Q.10 1,1,2,6,24,?,720

A. 100

C. 108

B. 104

D. 120

Q.11 1000,500,250,?

A. 50

C. 100

B. 125

D. 150

Q.12 240,?,120,40,10,2

A. 120

C. 200

B. 180

D. 240

Q.13 156,76,36,16,?

A. 6

C. 10

B. 8

D. 12

Q.14 48,24,96,48,192,?

A. 76

C. 96

B. 90

D. 98

Q.15 6,13,28,59,?

A. 111

C. 114

B. 113

D. 122



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1	A	6	A	11	B
2	B	7	A	12	D
3	A	8	C	13	A
4	D	9	D	14	C
5	A	10	D	15	D

ILLUSTRATIVE EXAMPLES (SQUARES/CUBES)

Example-1: 1, 4, 9, 16, 25, 36, ?

A. 64

B. 49

C. 81

D. 100

Solution:

Clearly, the given sequence consists of squares of numbers 1, 2, 3, ... i.e., $1^2, 2^2, 3^2, \dots$

So, missing term = $7^2 = 49$.

Hence, the answer is B.

Example-2:

1, 4, 27, 16, ?, 36, 343

A. 25

B. 87

C. 120

D. 125

Solution:

Clearly, the given sequence consists of cubes of odd numbers and squares of even numbers, i.e.,

$1^3, 2^2, 3^3, 4^2, \dots$

So, missing term = $5^3 = 125$

Hence, the answer is D.

NUMBER SERIES (SQUARES/CUBES)

Directions: In each of the following questions, a number sequence is given with one term missing. Choose the correct term that will continue the same pattern and replace the question mark in the given sequence.

Q.1 63, 37, 15, 5, ?

A. -1

B. 0

C. 1

D. 2

Q.2 0, 3, 8, 15, ?

A. 25

B. 24

C. 35

D. 36

Q.3 0, 6, 24, 60, 120, 210, ?

A. 336

B. 343

C. 340

D. 315

Q.4 0, 8, ?, 48, 80, 120

A. 25

C. 32

B. 16

D. 24

Q.5 7, 26, 63, 124, ?

A. 216

C. 248

B. 215

D. 210

Q.6 5, 10, 17, 26, 37, 50, ?

A. 64

C. 63

B. 65

D. 66

Q.7 3, 9, 15, ?

A. 32

C. 31

B. 33

D. 30

Q.8 1, 5, 14, 30, 55, 91, ?

A. 130

C. 150

B. 140

D. 160

Q.9 198, 194, 185, 169, ?

A. 92

C. 136

B. 112

D. 144

Q.10 2, 2, 5, 13, 28, ?

A. 49

C. 51

B. 50

D. 52

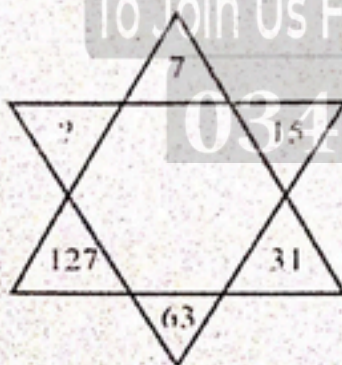


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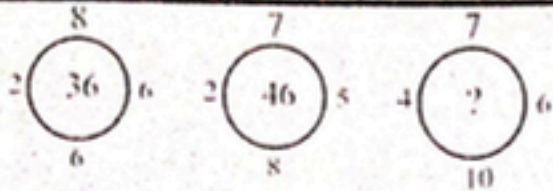
Q.11

A. 190

C. 236

B. 221

D. 255



Q.12

- A. 42
- B. 46
- C. 48
- D. 50

6	6	8
5	7	5
4	3	?
120	126	320

Q.13

- A. 4
- B. 8
- C. 12
- D. 16

Q.14 Insert the missing number:



Q.15 Insert the missing number:



- A. 25
- B. 37
- C. 41
- D. 47

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ANSWER KEY >>>

1	A	6	B	11	D
2	B	7	B	12	B
3	A	8	B	13	B
4	D	9	D	14	D
5	B	10	D	15	C

ILLUSTRATIVE EXAMPLES (WRONG TERM)**Case II: FINDING THE WRONG TERM IN THE GIVEN SERIES****Example-1:**

Find the wrong number in the sequence: 7, 26, 63, 126, 215, 342, 511

- A. 7
B. 26
C. 126
D. 215

Solution:

Clearly, the correct sequence is:

$$2^3 - 1, 3^3 - 1, 4^3 - 1, 5^3 - 1, 6^3 - 1, 7^3 - 1, 8^3 - 1$$

So, 126 is wrong and should be replaced by $(5^3 - 1)$ i.e. 124.

Hence, the answer is C.

Example-2:

Find the wrong number in the sequence: 3, 8, 15, 24, 34, 48, 63

- A. 15
B. 24
C. 34
D. 48

Solution:

The difference between consecutive terms of the given sequence are respectively 5, 7, 9, 11, 13 and 15.

Clearly, 34 is a wrong number and must be replaced by $(24 + 11)$ i.e. 35.

Hence, the answer is C.

NUMBER SERIES (WRONG TERM)

Directions: In each of the following questions, one term in the number sequence is wrong.

Find out the wrong term.

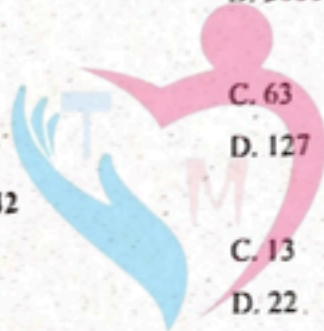
Q.1 196, 169, 144, 121, 101

- A. 101
B. 121
C. 169
D. 196

Q.2 2, 5, 10, 17, 26, 37, 50, 64

- A. 17
B. 26
C. 37
D. 64

- Q.3 5, 27, 61, 122, 213, 340, 509
 A. 27 C. 122
 B. 61 D. 509
- Q.4 125, 126, 124, 127, 123, 129
 A. 126 C. 123
 B. 124 D. 129
- Q.5 105, 85, 60, 30, 0, -45, -90
 A. 105 C. 0
 B. 60 D. -45
- Q.6 2, 5, 10, 50, 500, 5000
 A. 5 C. 50
 B. 10 D. 5000
- Q.7 3, 7, 15, 39, 63, 127, 255, 511
 A. 15 C. 63
 B. 39 D. 127
- Q.8 3, 2, 8, 9, 13, 22, 18, 32, 23, 42
 A. 8 C. 13
 B. 9 D. 22
- Q.9 1, 2, 5, 10, 17, 28
 A. 30 C. 27
 B. 28 D. 17
- Q.10 2, 3, 5, 8, 13, 34
 A. 21 C. 29
 B. 25 D. 34



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1	A	6	D
2	D	7	B
3	A	8	B
4	D	9	B
5	C	10	D

TYPE - 2: ALPHABETICAL SERIES**INTRODUCTION**

In this type of questions, a series of single, pairs or groups of letters is given. The terms of the series form a certain pattern according to the position of the letters in the English alphabet. So, in this type we have to identify the pattern of alphabetical letters and find the missing term in the given sequence.

ILLUSTRATIVE EXAMPLES

Example - 1. Find the next two terms in the series: A, C, F, J, ?, ?

A. L, P

B. M, O

C. O, U

D. R, V

Solution:

Clearly, the first, second, third, ... letters of the sequence are respectively moved two, three, four, ... steps forward to obtain the successive terms of the sequence.

Thus, the fifth term in the sequence must be a letter which is five steps ahead of J i.e. O, while the sixth term must be a letter six steps ahead of O i.e. U.

Thus, we have the following pattern:

$$A \xrightarrow{+2} C \xrightarrow{+3} F \xrightarrow{+4} J \xrightarrow{+5} O \xrightarrow{+6} U$$

So, the missing terms are O and U. Hence, the answer is C.

Example - 2. Which term comes next in the series: AC, FH, KM, PR, ?

A. UW

C. UX

B. VW

D. TV

Solution:

Clearly, the first and second letters of each term are moved five steps forward to obtain the corresponding letters of the next term.

Thus, the first letter of the missing term must be five steps ahead of P i.e. U, while the second letter must be five steps ahead of R i.e. W.

So, the missing term is UW. Hence, the answer is A.

Example - 3. Which term comes next in the series: YEB, WFD, UHG, SKI, ?

A. QOL

C. TOL

B. QGL

D. QNL

Solution:

Clearly, we observe the following pattern in the first, second and third letters of the given sequence:

$$1^{\text{st}} \text{ letter: } Y \xrightarrow{-1} W \xrightarrow{-2} U \xrightarrow{-3} S \xrightarrow{-4} Q$$

$$2^{\text{nd}} \text{ letter: } E \xrightarrow{+1} F \xrightarrow{+2} H \xrightarrow{+3} K \xrightarrow{+4} O$$

$$3^{\text{rd}} \text{ letter: } B \xrightarrow{+2} D \xrightarrow{+3} G \xrightarrow{+4} J \xrightarrow{+5} L$$

Thus, the missing term is QOL. Hence, the answer is A.

ALPHABET SERIES

Directions:

In each of the following questions, various terms of an alphabet series are given with one or more terms missing as shown by (?). Choose the missing term(s).

- Q.1 E, H, K, N, Q, T, ?
 A. W
 B. X
 C. Y
 D. Z
- Q.2 A, Y, W, U, S, Q, ?
 A. I
 B. K
 C. M
 D. O
- Q.3 F, G, I, L, P, ?
 A. T
 B. V
 C. U
 D. Z
- Q.4 F, I, M, P, T, W, ?
 A. A
 B. Z
 C. C
 D. B
- Q.5 B, C, E, G, K, ?
 A. L
 B. N
 C. M
 D. O
- Q.6 O, R, M, T, K, V, I, ?
 A. W
 B. X
 C. Y
 D. Z
- Q.7 C, F, K, R, ?
 A. Y
 B. Z
 C. A
 D. B
- Q.8 N, N, P, L, S, I, W, ?
 A. B
 B. C
 C. D
 D. E
- Q.9 T, Q, M, H, ?
 A. Z
 B. Y
 C. B
 D. A
- Q.10 X, U, Q, N, J, G, ?
 A. C
 B. B
 C. A
 D. D
- Q.11 R, U, X, A, D, ?
 A. F
 B. G
 C. H
 D. I



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Q.12 B, D, F, I, L, P, ?

A. R

C. T

B. S

D. U

Q.13 U, B, I, P, W, ?

A. D

C. Q

B. F

D. Z

Q.14 Z, ?, T, ?, N, ?, H, ?, B

A. W, Q, K, E

C. X, Q, K, E

B. W, R, K, E

D. X, R, K, E

Q.15 A, I, P, V, A, E, ?

A. E

C. G

B. F

D. H

Q.16 Y, W, T, P, K, E, X, ?, ?

A. G, H

C. R, G

B. P, G

D. S, R

Q.17 Z, S, W, O, T, K, Q, G, ?, ?

A. N, C

C. O, C

B. N, D

D. O, D

Q.18 BZ, EW, HT, KQ, ?

A. NN

C. NO

B. MN

D. MP

Q.19 AZ, DX, HU, MQ, ?

A. SL

C. TL

B. SM

D. RL

Q.20 AZ, CX, FU, ?

A. IR

C. JQ

B. IV

D. KP

Q.21 ZYY, WUT, TQO, QMJ, ?

A. NJE

C. MIF

B. MIE

D. NIE

Q.22 PMT, OOS, NQR, MSQ, ?

A. LUP

C. LVR

B. LVP

D. LWP

Q.23 BMX, DNW, FOU, ?

A. GHO

C. HPS

B. GPS

D. HPT

Q.24 BZA, DYC, FXE, ?, JVI

A. HUG

C. UHG

B. HWG

D. WHG

Q.25 ABD, DGK, HMS, MTB, SBL, ?

A. XKW

C. ZKU

B. ZAB

D. ZKW

Topic - I

Q.26 WFB, TGD, QHG, ?

- A. NIJ
- B. NIK
- C. NJK
- D. OIK

Q.27 AYD, BVF, DRH, ?, KGI.

- A. FMI
- B. GMJ
- C. GIJ
- D. HLK

Q.28 AB, DEF, HIJK, ?, STUVWX

- A. LMNO
- B. LMNOP
- C. MNOPQ
- D. QRSTU

Q.29 BCDE, CEGL, DGJM, EIMQ, ?

- A. FKQV
- B. FKPU
- C. GPOU
- D. GOPV

Q.30 CDEF, DFHJ, EHKN, FJNR, ?

- A. GLRW
- B. GLOX
- C. GLQV
- D. HPQW

A	D	G
D	I	N
I	P	?

Q.31

- A. V
- B. W
- C. X
- D. Y

F	I	O
A	J	K
E	M	?

Q.32

- A. P
- B. R
- C. S
- D. V

Q.33 Find the missing character from the given alternatives.

A	D	H
F	I	M
?	N	R

- A. K
- B. N
- C. O
- D. P

Q.34 Find the missing character from the given alternatives.

F	W	O
A	J	K
E	M	?

A. N

C. D

B. X

D. P

Q.35 Find the missing character from the given alternatives.

H	K	Q
C	G	O
E	J	?

A. T

C. N

B. P

D. L

ANSWER KEY

1	A	11	B	21	D	31	B
2	D	12	C	22	A	32	B
3	C	13	A	23	D	33	A
4	A	14	A	24	B	34	C
5	C	15	D	25	D	35	A
6	B	16	B	26	B		
7	C	17	A	27	B		
8	D	18	A	28	C		
9	C	19	A	29	B		
10	A	20	C	30	C		

TYPE - 3: ALPHA-NUMERIC SERIES**INTRODUCTION**

This type of questions is just a jumbled form of questions of Type 1 and Type 2, which you have just read. Here, the terms of the given series are a combination of letters and numerals, which move according to a set pattern.

Study the following examples:

ILLUSTRATIVE EXAMPLES

Example-1. Find the next term in the alpha-numeric series:

Z5A, X4D, V6G, T3J, R7M, P2P?

A. N8S

B. N4T

C. T6N

D. T2N

Solution:

Clearly, the patterns followed by the letters are as follows:

1st letter: Z $\xrightarrow{-2}$ X $\xrightarrow{-2}$ V $\xrightarrow{-2}$ T $\xrightarrow{-2}$ R $\xrightarrow{-2}$ P $\xrightarrow{-2}$ N

2nd letter: A $\xrightarrow{+3}$ D $\xrightarrow{+3}$ G $\xrightarrow{+3}$ J $\xrightarrow{+3}$ M $\xrightarrow{+3}$ P $\xrightarrow{+3}$ S

Number: 5 $\xrightarrow{-1}$ 4 $\xrightarrow{+2}$ 6 $\xrightarrow{-3}$ 3 $\xrightarrow{+4}$ 7 $\xrightarrow{-5}$ 2 $\xrightarrow{+6}$ 8

Hence, desired term is N8S.

So, the answer is A.

Example-2. Find the term which does not fit into the series given below:

G2T, J3R, M5P, P7N, S8L

A. G2T

B. S8L

D. P7N

Solution:

The patterns followed by the letters are:

1st letter: G $\xrightarrow{+3}$ J $\xrightarrow{+3}$ M $\xrightarrow{+3}$ P $\xrightarrow{+3}$ S

3rd letter: T $\xrightarrow{-2}$ R $\xrightarrow{-2}$ P $\xrightarrow{-2}$ N $\xrightarrow{-2}$ L

The numbers are prime numbers so, instead of 8, there has to be 11.

Thus, the term S8L does not fit in the given series. The correct term is S11L.

Hence, the answer is B.

ALPHA-NUMERIC SERIES

Directions:

In each of the following questions, a letter number sequence is given with one or more terms missing as shown by (?). Choose the missing term(s).

- Q.1 D-4, F-6, H-8, J-10, ?, ?
 A. K-12, M-13
 B. L-12, M-14
 C. L-12, N-14
 D. K-12, M-14
- Q.2 2B, 4C, 8E, 14H, ?
 A. 16K
 B. 20I
 C. 20L
 D. 22L
- Q.3 3F, 6G, 11I, 18L, ?
 A. 21O
 B. 25N
 C. 25P
 D. 27P
- Q.4 W-144, ?, S-100, Q-81, O-64
 A. U-121
 B. U-122
 C. V-121
 D. V-125
- Q.5 2, A, 9, B, 6, C, 13, D, ?
 A. 9
 B. 10
 C. 12
 D. 19
- Q.6 KM5, IP8, GS11, EV14, ?
 A. BX17
 B. BY17
 C. CY17
 D. CY18
- Q.7 C4X, F9U, I16R, ?
 A. K25P
 B. L25P
 C. L25O
 D. L27P
- Q.8 2A11, 4D13, 12G17, ?
 A. 36I19
 B. 36J21
 C. 48J21
 D. 48J23
- Q.9 6, H, 9, K, 11, M, 14, P, 16, R, 19, U, 21, ?, ?
 A. W, 24
 B. X, 23
 C. Y, 22
 D. Z, 25
- Q.10 Find the term which does not fit into the sequence:
 1CV, 5FU, 9IT, 15LS, 17OR
 A. 5FU
 B. 15LS
 C. 9IT
 D. 17OR

ANSWER KEY >>>

1	C	6	C
2	D	7	C
3	D	8	D
4	A	9	A
5	B	10	B

SYMBOL SERIES

INTRODUCTION

In the symbol series problems, sometimes a pair of related figures is provided and a similar relationship is to be established between two other figures or there is a sequence of figures depicting a change step by step. We have to identify the correct pattern and choose the right option.

ILLUSTRATIVE EXAMPLE

DIRECTIONS:

Look carefully at the sequence of symbols to find the pattern. Select correct pattern.

E M E | m m m | E W E | W ? W

- 
 (1)
- 
 (2)
- 
 (3)
- 
 (4)

- A. 1
- C. 3
- B. 2
- D. 4

Solution:

This is an alternating series. In the first segment, the letter "E" faces right, then down, then right. In the second segment, the letters all face down. To follow this pattern, in the fourth segment, the letters must all face up.





So, the correct option is C.

PRACTICE EXERCISE

Directions: Look carefully at the sequence of symbols to find the pattern. Select correct pattern.

Q. 1





I r n | o o o | u ?

- 
 (1)
- 
 (2)
- 
 (3)
- 
 (4)

- A. 1
- C. 3
- B. 2
- D. 4

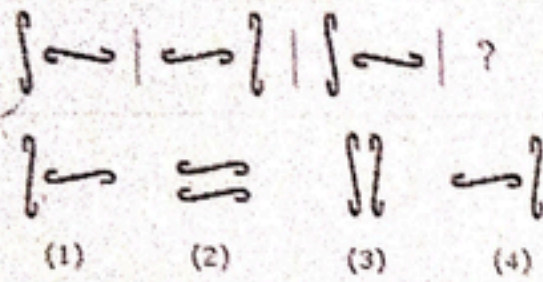
Q. 2

Δ □ Δ | □ ○ □ | ○ ◇ ○ | ◇ □ ?

- 
 (1)
- 
 (2)
- 
 (3)
- 
 (4)

- A. 1
- C. 3
- B. 2
- D. 4

Q.3



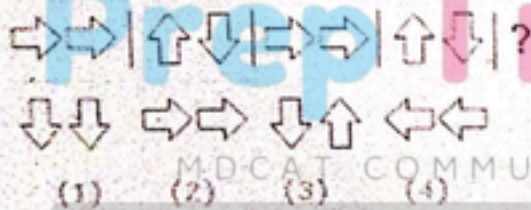
- A. 1
- B. 2
- C. 3
- D. 4

Q.4



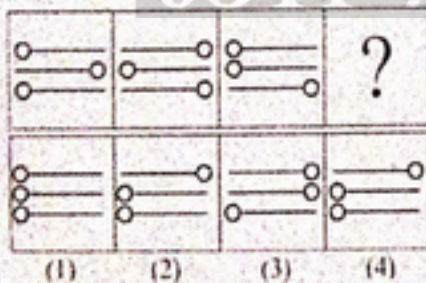
- A. 1
- B. 2
- C. 3
- D. 4

Q.5



- A. 1
- B. 2
- C. 3
- D. 4

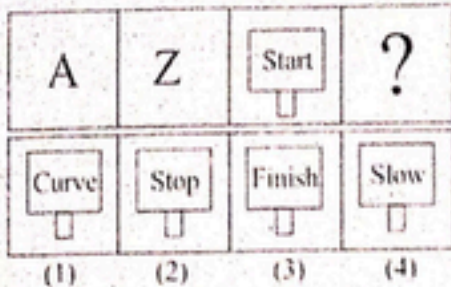
Q.6



- A. 1
- B. 2
- C. 3
- D. 4

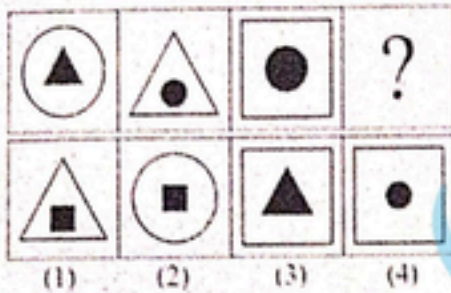

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Q. 7



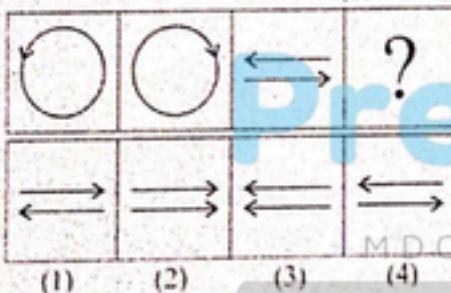
- A. 1
- B. 2
- C. 3
- D. 4

Q. 8



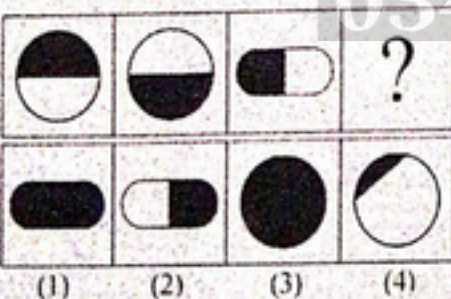
- A. 1
- B. 2
- C. 3
- D. 4

Q. 9



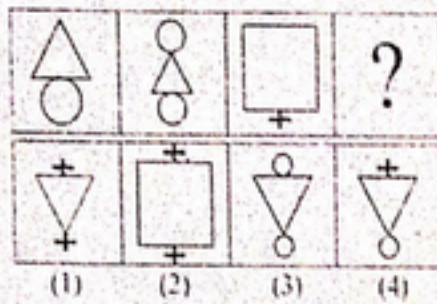
- A. 1
- B. 2
- C. 3
- D. 4

Q. 10



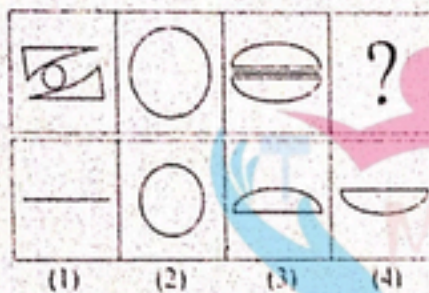
- A. 1
- B. 2
- C. 3
- D. 4

Q. 11



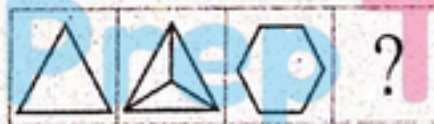
- A. 1
- B. 2
- C. 3
- D. 4

Q. 12



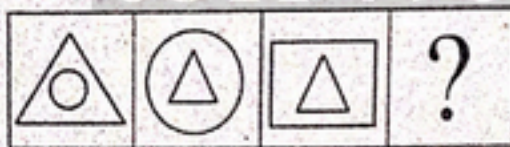
- A. 1
- B. 2
- C. 3
- D. 4

Q. 13



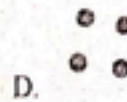
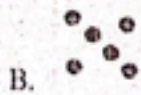
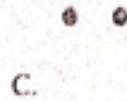
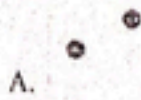
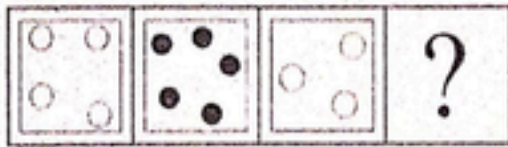
- A.
- B.
- C.
- D.

Q. 14

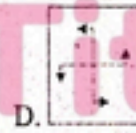
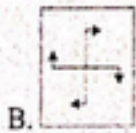
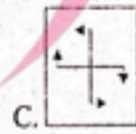
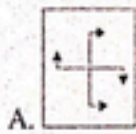
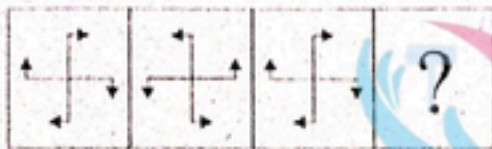


- A.
- B.
- C.
- D.

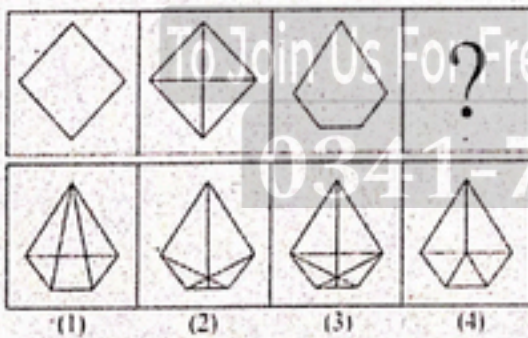
Q. 15



Q. 16



Q. 17



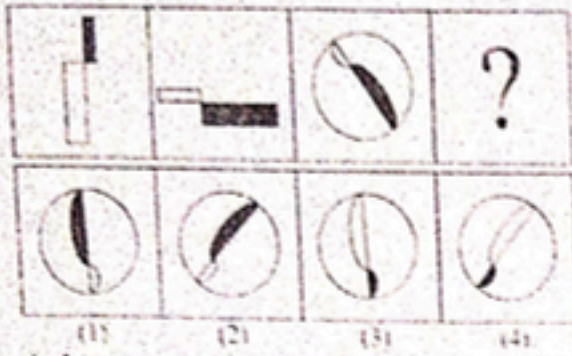
A. 1

C. 3

B. 2

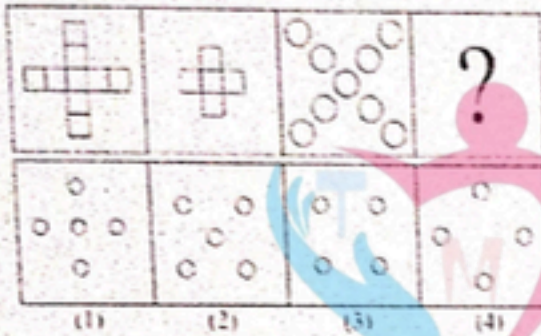
D. 4

Q. 18



- A. 1
- B. 2
- C. 3
- D. 4

Q. 19



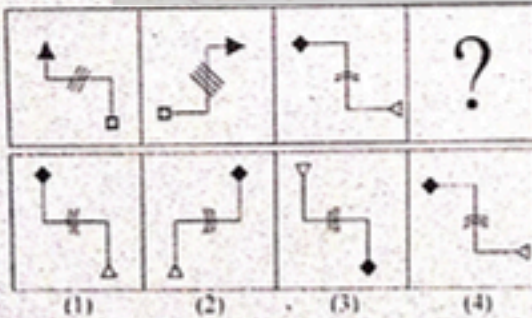
- A. 1
- B. 2
- C. 3
- D. 4

Q. 20



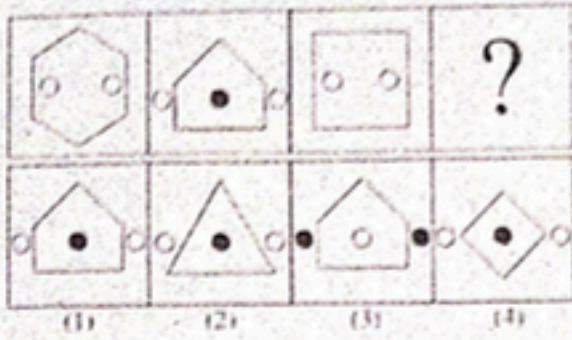
- A. 1
- B. 2
- C. 3
- D. 4

Q. 21



- A. 1
- B. 2
- C. 3
- D. 4

Q. 22



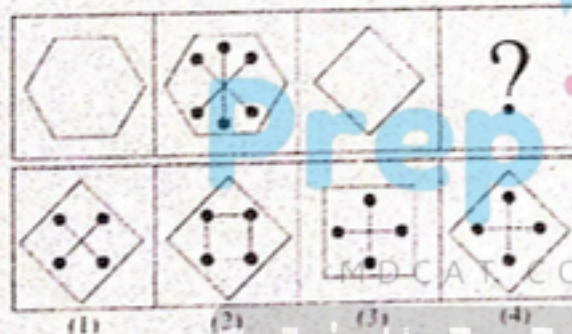
- A. 1
B. 2
C. 3
D. 4

Q. 23



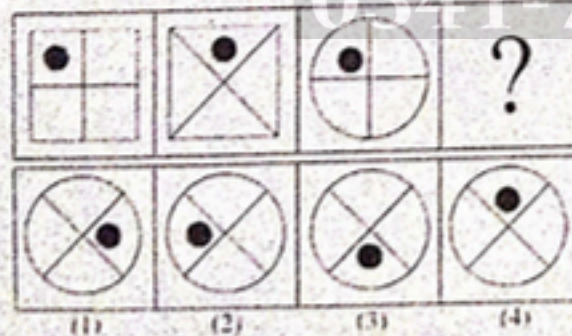
- A. 1
B. 2
C. 3
D. 4

Q. 24



- A. 1
B. 2
C. 3
D. 4

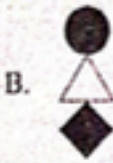
Q. 25



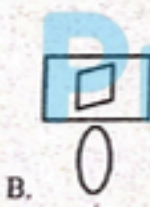
- A. 1
B. 2
C. 3
D. 4

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Q. 26



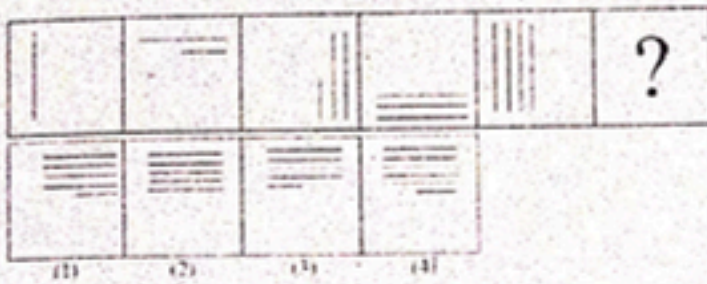
Q. 27



Q. 28

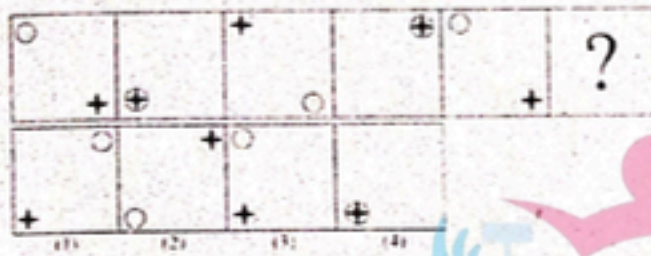


Q. 29



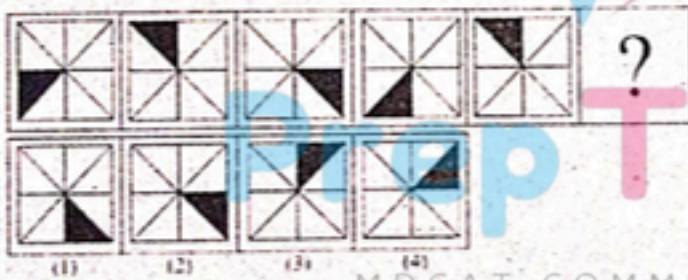
- A. 1
- B. 2
- C. 3
- D. 4

Q. 30



- A. 1
- B. 2
- C. 3
- D. 4

Q. 31



- A. 1
- B. 2
- C. 3
- D. 4

Q. 32

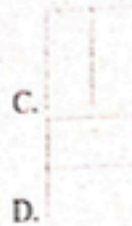
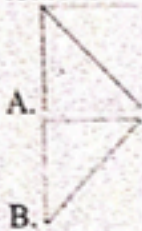


- A. 1
- B. 2
- C. 3
- D. 4

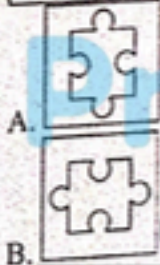
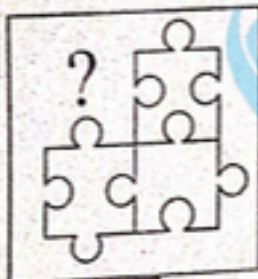
Q. 33



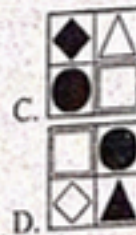
Draw the contents of the middle tile in accordance with the rules of logic already established.



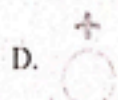
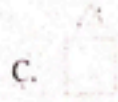
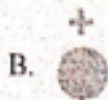
Q. 34



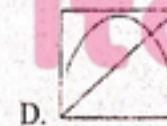
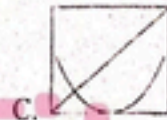
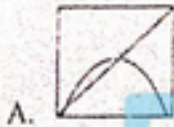
Q. 35 Insert the missing figure:



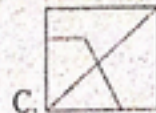
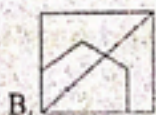
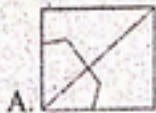
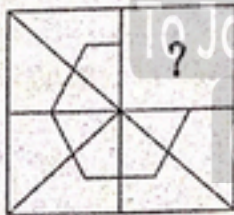
Q. 36



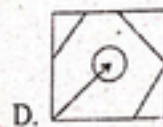
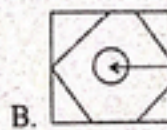
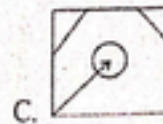
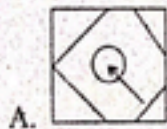
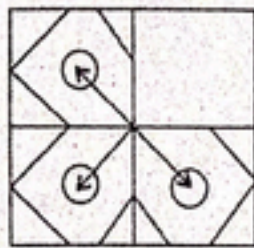
Q. 37 Insert the missing figure:



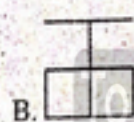
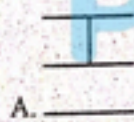
Q. 38 Insert the missing figure:



Q. 39 Select from the answer choices the figure that fits in the main figure to complete its original pattern



Q. 40 Insert the missing figure:



Q. 41 A teacher writes some word on the board. A student sitting in front sees its reflection in a mirror placed besides the board. The reflection appears as:

MAXE

What is the actual word written on the board?

A. EXAM

C. AXEM

B. WAXE

D. EXAW

Q. 42 A person wears a T-shirt with the code XOTY on it. He looks at it in the mirror and sees:

A. XTOY

C. LOLX

B. XOLA



D. YTOX

Q. 43

FOOD	DOOF	HOMH	?
------	------	------	---

- A. HOHE
- B. HOHE
- C. HOME
- D. HOME

Q. 44

		≤0≥	?
---	---	-----	---

- A. ≥0≤
- B. ≤0≤
- C. ≤0≥
- D. ≥0≥

Q. 45

AB	VB	CD	?
----	----	----	---

- A. DC
- B. DC
- C. CD
- D. CD

ANSWER KEY

1	D	2	A	3	D	4	C	5	B	6	C	7	C	8	B	9	A	10	B
11	B	12	A	13	B	14	A	15	D	16	D	17	D	18	D	19	B	20	D
21	B	22	B	23	C	24	A	25	D	26	B	27	D	28	C	29	A	30	D
31	D	32	D	33	A	34	B	35	A	36	D	37	A	38	C	39	D	40	D
41	A	42	D	43	B	44	C	45	D										

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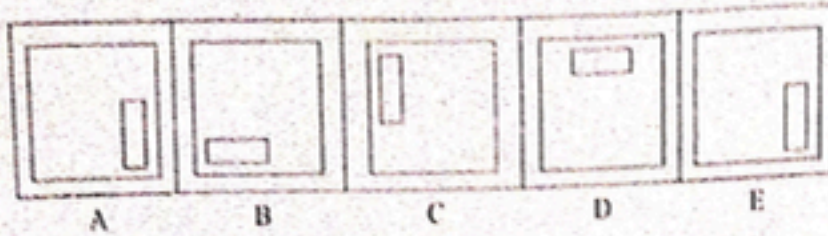
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ODD FIGURE OUT

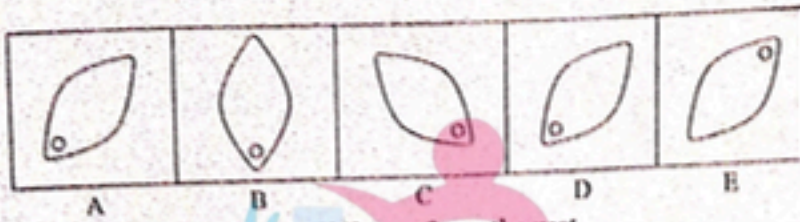
DIRECTION:

Four of the five figures marked A, B, C, D and E are same in some way or the other and one is different from the rest. You have to choose the figure which is different (odd).

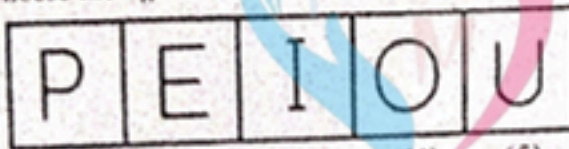
Q.1



Q.2



Q.3 Choose the figure which is different from the rest.



(1) (2) (3) (4) (5)

- A. (1)
- B. (2)
- C. (3)
- D. (5)

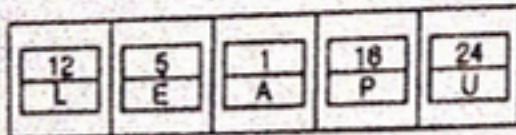
Q.4 Choose the odd figure from the following



(1) (2) (3) (4) (5)

- A. 1
- B. 2
- C. 3
- D. 4

Q.5 Choose the Odd one Out



(1) (2) (3) (4) (5)

- A. 2
- B. 3
- C. 4
- D. 5

Q.6 Choose the odd figure.



(1) (2) (3) (4) (5)

- A. 1
- B. 2
- C. 3
- D. 4

Q.7 Find the odd figure:



(1) (2) (3) (4) (5)

- A. 1
- B. 2
- C. 3
- D. 4

Q.8



(1) (2) (3) (4) (5)

- A. 1
- B. 2
- C. 3
- D. 4

DIRECTIONS:

In the following questions, select the one which is different from the other three figures.

Q.9



(A) (B) (C) (D)

Q.10



(A) (B) (C) (D)

ANSWER KEY >>>

1	D	2	D	3	A	4	A	5	D
6	C	7	D	8	C	9	D	10	C

MATHEMATICAL OPERATIONS

- Q. 1 If + means \times , \times means $-$, \div means $+$ and $-$ means \div , then which of the following gives the result of $175 - 25 \div 5 + 20 \times 3 + 10$?
 A. 77
 B. 160
 C. 240
 D. 2370
- Q. 2 If \times means $+$, $+$ means \div , $-$ means \times and \div means $-$, then $8 \times 7 - 8 + 40 \div 2 = ?$
 A. 1
 B. $7\frac{2}{5}$
 C. $8\frac{3}{5}$
 D. 44
- Q. 3 If \div means $+$, $-$ means \div , \times means $-$ and $+$ means \times , then $\frac{(36 \times 4) - 8 \times 4}{4 + 8 \times 2 + 16 \div 1} = ?$
 A. 0
 B. 8
 C. 12
 D. 16
- Q. 4 If + stands for \times , $-$ for \div , \times for $-$ and \div for $+$, find the value of $26 + 74 - 4 \times 5 \div 2$.
 A. 220
 B. 376
 C. 478
 D. 488
- Q. 5 If 'when' means ' \times ', 'you' means ' $+$ ', 'come' means ' $-$ ' and 'will' means ' \div ', then what will be the value of "8 when 12 will 16 you 2 come 10"?
 A. 45
 B. 94
 C. 96
 D. 112
- Q. 6 Select the correct set of symbols which will fit in the given equation $5 \ 0 \ 3 \ 5 = 20$.
 A. \times, \times, \times
 B. $-, +, \times$
 C. $\times, +, \times$
 D. $+, -, \times$
- Q. 7 If '+' means 'divided by', '-' means 'add', ' \times ' means 'minus' and 'divided by' means 'multiplied by', what will be the value of the following expression?

$$\left\{ \frac{(17 \times 12) - \left(\frac{4}{2}\right) + (23 - 6)}{0} \right\}$$

 A. Infinite
 B. 0
 C. 118
 D. 219
- Q. 8 If '+' means 'minus', ' \times ' means 'divided by', \div means 'plus' and '-' means 'multiplied by', then which of the following will be the value of the expression $252 \times 9 - 5 + 32 \div 92$?
 A. 95
 B. 168
 C. 192
 D. 200
- Q. 9 If L stands for $+$, M stands for $-$, N stands for \times , P stands for \div , then $14 \ N \ 10 \ L \ 42 \ P \ 2 \ M \ 8 = ?$
 A. 153
 B. 216
 C. 248
 D. 251
- Q. 10 If '<' means 'minus', '>' means 'plus', '=' mean 'multiplied by' and 'S' means 'divided by', then what would be the value of $27 > 81 \ S \ 9 < 6$?
 A. 6
 B. 33
 C. 36
 D. None of these

ANSWER KEY >>

1	A	2	B	3	A	4	C	5	B
6	B	7	B	8	D	9	A	10	D

CODING AND DECODING

In these questions, the letters in a word are replaced by certain other letters according to a specific rule to form its code. The candidate is required to detect the coding pattern/rule and answer the questions accordingly.

- Q.1 In a certain code, TEACHER is written as VGCEJGT. How is CHILDREN written in that code?
- A. EJKNEGTP
B. EGKNFITP
C. EJKNFGTO
D. EJKNFTGP
- Q.2 In a certain code language, RUSTICATE is written as QTTUIDBSD. How would STATISTIC be written in that code?
- A. RSBUTUHB
B. RSBUITUHB
C. RSBUIRSJD
D. TUBUITUMB
- Q.3 In a certain code, the word ROAD is coded as WTFI. Following the same rule of coding, what should be the word for the code GJFY?
- A. REAP
B. TAKE
C. BEAT
D. LATE
- Q.4 If in a certain language, REMOTE is coded as ROTEME, which word would be coded as PNIICC? (KMU MDCAT 2022)
- A. NPIICC
B. PICCIN
C. PINCIC
D. PICNIC
- Q.5 If ZEBRA can be written as 2652181, how can COBRA be written?
- A. 302181
B. 3152181
C. 31822151
D. 1182153
- Q.6 If AT = 20, BAT = 40, then CAT will be equal to:
- A. 30
B. 60
C. 50
D. 70
- Q.7 In a certain code language, 24685 is written as 33776. How is 35791 written in that code?
- A. 44826
B. 44882
C. 46682
D. 44682
- Q.8 If 'bat' is 'racket', 'racket' is 'football', 'football' is 'shuttle' 'shuttle' is 'ludo' and 'ludo' is 'carrom', what is cricket played with?
- A. Racket
B. Football
C. Bat
D. Shuttle

- Q.9 If 'sky' is 'star', 'star' is 'cloud', 'cloud' is 'earth', 'earth' is 'tree' and 'tree' is 'book', then where do the birds fly?
- A. Cloud
B. Sky
C. Star
D. Data inadequate
- Q.10 If NARGRUED is the code for GRANDEUR, which word is coded as SERPEVRE?
- A. PERSEVER
B. PRESEVER
C. PREVERSE
D. PRESERVE
- Q.11 In a certain code, RAIN is written as 8\$%6 and MORE is written as 7#8@. How is REMAIN written in that code?
- A. #(@)7\$%6
B. #(@)&\$%6
C. 7(a)#\$%6
D. 8(@)7\$%6
- Q.12 If REASON is coded as 5 and BELIEVED as 7, then what is the code for GOVERNMENT?
- A. 6
B. 8
C. 9
D. 10
- Q.13 If DRIVER = 12, PEDESTRAIN = 20, ACCIDENT = 16, then CAR = ?
- A. 3
B. 6
C. 8
D. 10
- Q.14 In a certain system of coding, the word STATEMENT is written as TNEMETATS. In the same system of coding, what should be the code for the word POLITICAL?
- A. LACITLOP
B. LCATILIO
C. OPILITACL
D. None of these
- Q.15 In a certain code, STOVE is written as FNBLK, then how will VOTES be written in the same code?
- A. FLKBN
B. LBNKF
C. LKNBF
D. LNBKF

ANSWER KEY >>

1	D	6	B	11	D
2	B	7	B	12	C
3	C	8	A	13	B
4	D	9	C	14	A
5	B	10	D	15	B

ODD MAN OUT (CLASSIFICATION)**INTRODUCTION**

'Classification' means 'to assort the items of a given group on the basis of a certain common quality they possess and then spot the stranger or odd one out.'

In these questions, we are given a group of certain items, out of which all except one are similar to one another in some manner. The students are required to choose this one item which does not fit into the given group.

TYPE-I: CHOOSING THE ODD WORD**DIRECTIONS:**

Choose the word which is least like the other words in the group.

Q.1

- | | |
|----------|----------|
| A. Zebra | C. Tiger |
| B. Lion | D. Horse |

Q.2

- | | |
|-----------|--------------|
| A. Copper | C. Brass |
| B. Zinc | D. Aluminium |

Q.3

- | | |
|---------|-------------|
| A. May | C. August |
| B. July | D. November |

Q.4

- | | |
|-----------|----------|
| A. Pistol | C. Gun |
| B. Sword | D. Rifle |

Q.5

- | | |
|-----------|-----------|
| A. Mother | C. Sister |
| B. Friend | D. Father |

Q.6

- | | |
|----------|--------------|
| A. Write | C. Knowledge |
| B. Read | D. Learn |

Q.7

- | | |
|----------|-------------|
| A. King | C. Bishop |
| B. Queen | D. Minister |

Q.8

- | | |
|-----------|-----------|
| A. Screw | C. Needle |
| B. Hammer | D. Pin |

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Q.9

- | | |
|------------|----------|
| A. Painter | C. Brush |
| B. Canvas | D. Color |

Q.10

- | | |
|--------------|-----------|
| A. Pineapple | C. Grapes |
| B. Orange | D. Banana |

Q.11

- | | |
|--------------|-------------|
| A. Rectangle | C. Cube |
| B. Square | D. Triangle |

Q.12

- | | |
|-----------|----------|
| A. Ear | C. Lungs |
| B. Kidney | D. Liver |

Q.13

- | | |
|--------------|-------------|
| A. Day | C. Calendar |
| B. Fortnight | D. Month |

Q.14

- | | |
|------------|---------------|
| A. Debit | C. Deduction |
| B. Deposit | D. Withdrawal |

Q.15

- | | |
|--------------|--------------|
| A. Ladder | C. Bridge |
| B. Staircase | D. Escalator |

Q.16 Which word does NOT belong with the others?

- | | |
|------------|---------------|
| A. Parsley | C. Dill |
| B. Basil | D. Mayonnaise |

Q.17 Which word does NOT belong with the others?

- | | |
|----------|---------------|
| A. Inch | C. Centimeter |
| B. Ounce | D. Yard |

Q.18 Which word does NOT belong with the others?

- | | |
|-------------------|-----------|
| A. Tyre | C. Engine |
| B. Steering Wheel | D. Car |

Q.19 Which word does NOT belong with the others?

- | | |
|------------|------------|
| A. Heading | C. Letter |
| B. Body | D. Closing |



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- Q.20 Which word does NOT belong with the others?
- A. Leopard
B. Cougar
C. Elephant
D. Lion
- Q.21 Which word does NOT belong with the others?
- A. Cornea
B. Retina
C. Pupil
D. Vision
- Q.22 Which word does NOT belong with the others?
- A. Book
B. Index
C. Glossary
D. Chapter
- Q.23 Which word does NOT belong with the others?
- A. Unique
B. Beautiful
C. Rare
D. Exceptional
- Q.24 Which word does NOT belong with the others?
- A. Acute
B. Right
C. Obtuse
D. Parallel
- Q.25 Which word does NOT belong with the others?
- A. Tomato
B. Cucumber
C. Brinjal
D. Carrot
- Q.26 Which word does NOT belong with the others?
- A. Biology
B. Chemistry
C. Theology
D. Zoology
- Q.27 Which word does NOT belong with the others?
- A. Aorta
B. Heart
C. Liver
D. Stomach
- Q.28 Which word does NOT belong with the others?
- A. Mayor
B. Lawyer
C. Governor
D. Senator
- Q.29 Which word does NOT belong with the others?
- A. 196
B. 36
C. 78
D. 144
- Q.30 Which word does NOT belong with the others?
- A. 295
B. 381
C. 552
D. 725

TYPE-2: CHOOSING THE ODD PAIR OF WORDS

In this type of questions, certain pairs of words are given out of which the words in all the pairs except one bear a certain common relationship. The candidate is required to decipher this relationship and choose the pair in which the words are differently related, as the answer.

DIRECTIONS:

Choose the odd pair of words.

Q.31

- A. Painter : Gallery
- B. Actor : Stage

- C. Mason : Wall
- D. Farmer : Field

Q.32

- A. Time : Seconds
- B. Length : Metre

- C. Resistance : Ohm
- D. Pressure : Barometer

Q.33

- A. White : Dirty
- B. Easy : Difficult

- C. Brave : Coward
- D. End : Beginning

Q.34

- A. China : Beijing
- B. Russia : Moscow

- C. Japan : Tehran
- D. Spain : Madrid

Q.35

- A. Waist : Belt
- B. Neck : Tie

- C. Wrist : Band
- D. Shoe : Laces

ANSWER KEY

1	D	11	C	21	D	31	C
2	C	12	A	22	A	32	D
3	D	13	C	23	B	33	A
4	B	14	B	24	D	34	C
5	B	15	C	25	D	35	D
6	C	16	D	26	C		
7	D	17	B	27	A		
8	B	18	D	28	B		
9	A	19	C	29	C		
10	D	20	C	30	C		

WORDS ANALOGY

INTRODUCTION

'Analogy' means 'correspondence'

In questions based on analogy, a particular relationship is given and another similar relationship has to identify from the alternatives provided. Analogy tests are, therefore, meant to test a student's overall knowledge, power of reasoning and ability to think concisely and accurately.

TYPE-1: COMPLETE THE ANALOGY PAIR

In this type of questions, two words are given these words are related to each other in some way. Another word is also given. The student is required to find out the relationship between the first two words and choose the word from the given alternatives, which bears the same relationship to the third word, as the first two bear.

ILLUSTRATIVE EXAMPLES

Example-1: Newspaper : Press : : Cloth : ?

- A. Tailor
B. Textile
C. Fiber
D. Mill

Solution:

Just as newspaper is prepared in a press, cloth is manufactured in the mill.

Example-2: Anaemia : Blood : : Anarchy : ?

- A. Lawlessness
B. Government
C. Monarch
D. Disorder

Solution:

Anaemia is the state of lack of blood. Similarly, anarchy is the state of lack of government.

Example-3: Acting : Theatre : : Gambling : ?

- A. Casino
B. Club
C. Bar
D. Gym

Solution:

Acting is performed in a theatre. Similarly, casino is a place where people gamble.

Example-4: Vigilant : Alert : : Workable : ?

- A. Active
B. Hopeless
C. Feasible
D. Useful

Solution:

'Alert' is the synonym of 'Vigilant'. Similarly, synonym of 'workable' is 'Feasible'

Example-5: Menu : Food :: Catalogue : ?

- A. Rack
- B. Newspaper
- C. Library
- D. Books**

Solution:

Menu lists all the food items in a restaurant. Similarly, catalogue is a list of all the books in a library.

Example-6: Malaria : Mosquito :: ? : ?

- A. Poison : Death
- B. Cholera : Water**
- C. Rat : Plague
- D. Medicine : Disease

Solution:

As malaria is caused due to mosquito similarly cholera is cause due to water.

Example-7: ABC : ZYX :: CBA : ?

- A. XYZ**
- B. BCA
- C. YZX
- D. ZXY

Solution:

CBA is the reverse of ABC similarly XYZ is the reverse of ZYX.

Example-8: 4 : 18 :: 6 : ?

- A. 32
- B. 38**
- C. 11
- D. 37

Solution:

As, $(4)^2 + 2 = 18$

Similarly, $(6)^2 + 2 = 38$.

DIRECTIONS:

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In each of the following questions, there is a certain relationship between two given words on one side of :: and one word is given on another side of :: while another word is to be found from the given alternatives, having the same relation with this word as the words of the given pair bear. Choose the correct alternative.

PRACTICE EXERCISE

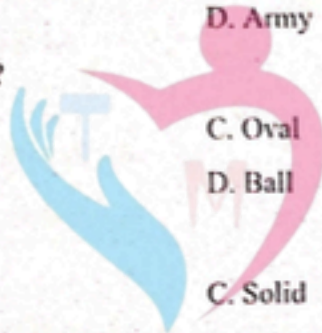
Q.1 Food : Stomach :: Fuel : ?

- A. Plane
- B. Truck
- C. Engine
- D. Automobile

Q.2 Moon : Satellite :: Earth : ?

- A. Sun
- B. Planet
- C. Solar System
- D. Asteroid

- Q.3 Laugh : Joy : Weep : ?
 A. Grief
 B. Remorse
 C. Baby
 D. Punishment
- Q.4 Cricket : Bat :: Hockey : ?
 A. Field
 B. Stick
 C. Player
 D. Ball
- Q.5 Smoke : Pollution :: War : ?
 A. Destruction
 B. Treaty
 C. Victory
 D. Peace
- Q.6 Commodore : Navy :: Brigadier : ?
 A. Captain
 B. Commander
 C. Air Force
 D. Army
- Q.7 Square : Diamond :: Circle : ?
 A. Smooth
 B. Round
 C. Oval
 D. Ball
- Q.8 Melt : Liquid :: Freeze : ?
 A. Ice
 B. Condense
 C. Solid
 D. Crystal
- Q.9 Paw : Cat :: Hoof : ?
 A. Lamb
 B. Elephant
 C. Lion
 D. Horse
- Q.10 Markhor: Pakistan :: Panda : ?
 A. Australia
 B. China
 C. Russia
 D. England
- Q.11 REASON : SFBTPO :: THINK : ?
 A. SGHMJ
 B. UIJOL
 C. UHINKI
 D. UJKPM
- Q.12 NATION : ANTINO :: HUNGRY : ?
 A. HNUGRY
 B. UHNGYR
 C. YRNGUH
 D. UNHGYR
- Q.13 Architect : Building :: Sculptor : ?
 A. Museum
 B. Stone
 C. Chisel
 D. Statue



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Q.14 Safe : Secure :: Protect : ?

- A. Lock
- B. Sure
- C. Guard
- D. Conserve

Q.15 MASTER : OCUVGT :: LABOUR : ?

- A. NCDQWT
- B. NDERWT
- C. NBERWT
- D. NEDRWT

Q.16 Microphone : Loud :: Microscope : ?

- A. Elongate
- B. Investigate
- C. Magnify
- D. Examine

Q.17 College : Student :: Hospital : ?

- A. Nurse
- B. Doctor
- C. Treatment
- D. Patient

Q.18 South : North-West :: West : ?

- A. North
- B. South-West
- C. North-East
- D. East

Q.19 Poles : Magnet :: ? : Battery

- A. Cells
- B. Power
- C. Terminals
- D. Energy

Q.20 Physician : Treatment :: Judge : ?

- A. Punishment
- B. Judgement
- C. Lawyer
- D. Court

Q.21 BECK : ADFJ :: PSVY : ?

- A. ROUX
- B. ORUX
- C. LQUT
- D. LOQT

Q.22 AZBY : CXDW :: EVFU : ?

- A. GTHS
- B. GHTS
- C. GSTH
- D. TGSH

Q.23 KeaC : CaeK :: XgmF : ?

- A. GmcF
- B. FmgX
- C. EgmX
- D. EmgF

Q.24 LKJ : pon :: ? : hgf

- A. dclc
- B. DBC
- C. ded
- D. DCB



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- Q.25 Computer : fpxrvht :: Language : ?
 A. oxpidxg
 B. ocqicyig
 C. ocqixejg
 D. ocqixcig
- Q.26 M×N : 13 × 14 :: F×R : ?
 A. 14 × 15
 B. 5 × 17
 C. 6 × 18
 D. 7 × 19
- Q.27 4 : 19 :: 7 : ?
 A. 52
 B. 49
 C. 28
 D. 68
- Q.28 10 : 99 :: 9 : ?
 A. 69
 B. 80
 C. 97
 D. 49
- Q.29 144 : 10 :: 169 : ?
 A. 14
 B. 11
 C. 13
 D. 12
- Q.30 Curd : Milk :: Shoe : ?
 A. Leather
 B. Cloth
 C. Jute
 D. Silver

TYPE-2: DIRECT ANALOGY

- Q.31 Part is related to Whole in the same way as Arc is related to:
 A. Trapezium
 B. Circle
 C. Triangle
 D. Square
- Q.32 Tennis is related to Court in the same way as Boxing is related to:
 A. Pool
 B. Ring
 C. Arena
 D. Course
- Q.33 Doctor is related to patient in the same way as Lawyer is related to:
 A. Customer
 B. Accused
 C. Magistrate
 D. Client
- Q.34 Chef is related to Restaurant in the same way as Druggist is related to:
 A. Medicine
 B. Pharmacy
 C. Store
 D. Chemist
- Q.35 'Ophthalmia' is related to 'Eye' in the same way as 'Rickets' is related to:
 A. Kidney
 B. Nose
 C. Bone
 D. Heart

TYPE-3: ANALOGY PAIRS

- Q.36 Glove : Hand
 A. Neck : Collar
 B. Tie : Shirt
 C. Socks : Feet
 D. Coat : Pocket
- Q.37 Letter : Word
 A. Page : Book
 B. Product : Factory
 C. Club : People
 D. Home work : School
- Q.38 Silence : Noise
 A. Quiet : Peace
 B. Baldness : Hair
 C. Talk : Whisper
 D. Sing : Dance
- Q.39 Sunrise : Sunset
 A. Dawn : Twilight
 B. Noon : Midnight
 C. Morning : Night
 D. Energetic : Lazy
- Q.40 Train : Track
 A. Water : Boat
 B. Bullet : Barrel
 C. Idea : Brain
 D. Fame : Television

- Q.41 Chalk : Blackboard
 A. Type : Point
 B. Table : Chair
 C. Door : Handle
 D. Ink : Paper
- Q.42 Rectangle : Pentagon
 A. Side : Angle
 B. Diagonal : Perimeter
 C. Triangle : Rectangle
 D. Circle : Square
- Q.43 Thermometer : Temperature
 A. Millimeter : Scale
 B. Length : Breadth
 C. Solar Energy : Sun
 D. Cardiograph : Heart rate
- Q.44 Border : Country
 A. Pen : Cap
 B. Book : Cover
 C. Handle : Shade
 D. Frame : Picture
- Q.45 Lively : Dull
 A. Employed : Jobless
 B. Flower : Bud
 C. Factory : Labour
 D. Happy : Fun

TYPE-4: SIMILAR WORDS

- Q.46 Apple, Grape, Orange
 A. Vegetable
 B. Fruits
 C. Stems
 D. Oats
- Q.47 Mars, Earth, Jupiter
 A. Planets
 B. Cosmos
 C. Orbits
 D. Astronauts
- Q.48 Volleyball, Hockey, Football
 A. Aquatics
 B. Baseball
 C. Athletes
 D. Sports
- Q.49 Wrestling, Karate, Boxing
 A. Pole-vault
 B. Swimming
 C. Judo
 D. Polo
- Q.50 Clutch, Brake, Horn
 A. Car
 B. Scooter
 C. Accident
 D. Steering

ANSWER KEY

1	C	11	B	21	B	31	B	41	D
2	B	12	B	22	A	32	B	42	C
3	A	13	D	23	B	33	D	43	D
4	B	14	C	24	D	34	B	44	D
5	A	15	A	25	C	35	C	45	A
6	D	16	C	26	C	36	C	46	B
7	C	17	D	27	A	37	A	47	A
8	C	18	C	28	B	38	B	48	B
9	D	19	C	29	B	39	C	49	C
10	B	20	B	30	A	40	B	50	D

ESSENTIAL PART

DIRECTION:

Each question has an underlined word followed by four answer choices. You will choose the word that is a necessary part of the given word.

A good way to approach this type of question is to use the following sentence: "A _____ could not exist without _____". Find the word that names a necessary part of the given word.

ILLUSTRATIVE EXAMPLES:

Ex.1 Book

(NMDCAT 2021)

A. Fiction

C. Pictures

B. Pages

D. Learning

Explanation:

The necessary part of a book is its pages; there is no book without pages. Not all books are fiction (choice A), and not all books have pictures (choice C). Learning (choice D) may or may not take place with a book.

Ex.2 School

(NMDCAT 2021)

A. Student

C. Test

B. Report Card

D. Learning

Explanation:

Without students, a school cannot exist; therefore, students are the essential part of schools. The other choices may be related, but they are not essential.

Ex.3 Election

A. President

C. November

B. Voter

D. Nation

Explanation:

An election does not exist without voters. The election of a president (choice A) is a byproduct. Not all elections are held in November (choice C), nor are they nationwide (choice D).

Ex.4 Swimming

(NMDCAT 2021)

A. Pool

C. Water

B. Bathing Suit

D. Life Jacket

Explanation:

Water is essential for swimming-without water, there is no swimming. The other choices are things that may or may not be present.

Ex.5 Bonus

(NMDCAT 2021)

A. Reward

C. Cash

B. Raise

D. Employer

Explanation:

A bonus is something given or paid beyond what is usual or expected, so reward is the essential element. A bonus may not involve a raise in pay or cash (choices b and c), and it may be received from someone other than an employer (choice d).

PRACTICE EXERCISE

- Q.1 Knowledge**
 A. School
 B. Teacher
 C. Textbook
 D. Learning
- Q.2 Infirmary**
 A. Surgery
 B. Disease
 C. Patient
 D. Receptionist
- Q.3 Vertebrate**
 A. Reptile
 B. Animal
 C. Mammal
 D. Backbone
- Q.4 Faculty**
 A. Buildings
 B. Textbooks
 C. Teachers
 D. Meetings
- Q.5 Recipe**
 A. Desserts
 B. Directions
 C. Cookbook
 D. Utensils
 (NMDCAT 2021)
- Q.6 Autograph**
 A. Athlete
 B. Actor
 C. Signature
 D. Pen
 (NMDCAT 2021)
- Q.7 Champion**
 A. Running
 B. Swimming
 C. Winning
 D. Speaking
 (NMDCAT 2021)
- Q.8 Saddle**
 A. Horse
 B. Seat
 C. Stirrups
 D. Horn
 (NMDCAT 2021)
- Q.9 Contract**
 A. Agreement
 B. Document
 C. Written
 D. Attorney
- Q.10 Town**
 A. Residents
 B. Skyscrapers
 C. Parks
 D. Libraries



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ANSWER KEY >>>

- 1 D 2 C 3 D 4 C 5 B 6 C 7 C 8 B 9 A 10 A

PAST PAPER MCQs

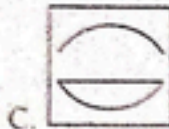
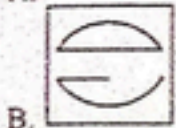
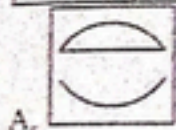
- Q.1 If "-" means "+", "+" means "-", "-" means "-" and "/" means "+" then, $\left(3 - \frac{15}{19}\right) * 8 + 3 = ?$ (NMDCAT 2021)
- A. 5
B. $\frac{279}{19}$
C. 3
D. 8
- Q.2 Find the missing alphabet: A, E, J, P, W, ? (NMDCAT 2021)
- A. E
B. F
C. G
D. D
- Q.3 Complete the series A2, B4, C8, D16, E? (NMDCAT 2021)
- A. 32
B. 34
C. 36
D. 38
- Q.4 Complete the series A25, B625, C15625, ____? (NMDCAT 2021)
- A. D390625
B. D364748
C. D390524
D. D390525
- Q.5 Look at this series 14, 28, 20, 40, 32, 64. What number should come next? (NMDCAT 2021)
- A. 52
B. 56
C. 96
D. 128
- Q.6 CMM, EOO, GQQ, ____, KUU (NMDCAT 2021)
- A. GRR
B. GSS
C. ISS
D. ITT
- Q.7 Complete the series A2.5, B5, C7.5, ____? (NMDCAT 2021)
- A. D9
B. D10
C. D9.5
D. D45
- Q.8 Complete the series ACD, AGD, AJD, ____? (NMDCAT 2021)
- A. ABD
B. ATD
C. AND
D. AMD
- Q.9 If "-" means "+", "+" means "-", "*" means "÷" and "÷" means "*" then which of the following will be the correct equation? (NMDCAT 2021)
- A. $30 + 5 + 14 - 10 \times 15 = 122$
B. $10 + 5 - 14 + 10 \times 15 = 158$
C. $30 - 5 + 14 \div 10 \times 15 = 162$
D. $30 \times 5 - 4 + 10 + 15 = 31$
- Q.10 Complete the series A3.3, B6.6, C9.9, ____? (NMDCAT 2021)
- A. D13.4
B. D13.2
C. D13.1
D. D13.3
- Q.11 Look at this series: 53, 53, 40, 40, 27, 27, ... What number should come next? (NMDCAT 2021)
- A. 12
B. 27
C. 14
D. 53
- Q.12 Look at this series: 7, 10, 8, 11, 9, 12, ... What number should come next? (NMDCAT 2021)
- A. 7
B. 10
C. 12
D. 13
- Q.13 23rd letter of English alphabets (NMDCAT 2021)
- A. X
B. W
C. Z
D. Y

- Q.14 Complete the series. F16, H32, J48, -... (NMDCAT 2021)
 A. K66 C. M68
 B. L64 D. N90
- Q.15 Look at this series 5.2, 4.8, 4.4, 4. What number should come next? (NMDCAT 2021)
 A. 3 C. 3.5
 B. 3.3 D. 3.6
- Q.16 Look at this series: 22, 21, 23, 22, 24, 23,... What number should come next? (NMDCAT 2021)
 A. 22 C. 25
 B. 24 D. 26
- Q.17 Complete the series AB, EF, _____, MN (NMDCAT 2021)
 A. IJ C. WX
 B. RS D. MN
- Q.18 Look at this series 80, 10, 70, 15, 60. What number should come next? (NMDCAT 2021)
 A. 20 C. 30
 B. 25 D. 50
- Q.19 Look at this series: 2, 1, $\left(\frac{1}{2}\right)$, $\left(\frac{1}{4}\right)$, What number should come next? (NMDCAT 2021)
 A. $\left(\frac{1}{3}\right)$ C. $\left(\frac{2}{8}\right)$
 B. $\left(\frac{1}{8}\right)$ D. $\left(\frac{1}{16}\right)$
- Q.20 Look at this series: 36, 34, 30, 28, 24, What number should come next? (NMDCAT 2021)
 A. 22 C. 23
 B. 26 D. 20
- Q.21 Pick the odd one out: (NMDCAT 2021)
 A. Heart C. Lungs
 B. Kidney D. Life
- Q.22 Champion cannot exist without _____: (NMDCAT 2021)
 A. Running C. Winning
 B. Swimming D. Speaking
- Q.23 Saddle cannot exist without _____: (NMDCAT 2021)
 A. Horse C. Stirrups
 B. Seat D. Horn
- Q.24 Contract cannot exist without _____: (NMDCAT 2021)
 A. Agreement C. Written
 B. Document D. Attorney
- Q.25 Autograph cannot exist without _____: (NMDCAT 2021)
 A. Athlete C. Signature
 B. Actor D. Pen
- Q.26 Bonus cannot exist without _____: (NMDCAT 2021)
 A. Reward C. Cash
 B. Raise D. Employer
- Q.27 Swimming cannot exist without _____: (NMDCAT 2021)
 A. Pool C. Water
 B. Bathing suit D. Life jacket
- Q.28 School cannot exist without _____: (NMDCAT 2021)
 A. Student C. Test
 B. Report card D. Learning

- Q.29 Book cannot exist without _____ : (NMDCAT 2021)
 A. Fiction C. Pictures
 B. Pages D. Learning
- Q.30 Which word does NOT belong with the others? (NMDCAT 2021)
 A. Book C. Glossary
 B. Index D. Chapter
- Q.31 Pick the odd one: (NMDCAT 2021)
 A. Aids C. Jaundice
 B. Hepatitis D. Health
- Q.32 Pick the odd-pair of words. (NMDCAT 2021)
 A. Petrol-Car C. Water-Fire
 B. Coal-Engine D. Oil-Lamp
- Q.33 If SINDH is coded as THOCI then PUNJAB is coded as: (NMDCAT 2021)
 A. BAJNUP C. QTOIBA
 B. BALOCHISTAN D. HDNIS
- Q.34 Choose the odd one. (NMDCAT 2021)
 A. Herb C. Tree
 B. Flower D. Shrub
- Q.35 Find the different one (NMDCAT 2021)
 A. Mother C. Maid
 B. Sister D. Aunt
- Q.36 A competition always has (NMDCAT 2021)
 A. Reward C. Spectators
 B. Rivals D. Referee
- Q.37 Discernible and Palpable have _____ number of same letter (NMDCAT 2021)
 A. 2 C. 5
 B. 3 D. 4
- Q.38 What should come next to save, secure, protect, (NMDCAT 2021)
 A. Guard C. Conserve
 B. Lock D. Humble
- Q.39 If in a certain language, NOIDA is coded as OPJEB, how is DELHI coded in that language? (NMDCAT 2021)
 A. CDKGH C. FGNJKTY
 B. EFMIJ D. IHLED
- Q.40 Chef : Restaurant (NMDCAT 2021)
 A. Doctor: Nurse C. Teacher: Schools
 B. Driver: Passenger D. Writer: Editor
- Q.41 Arrange the following words in a meaningful sequence. (NMDCAT 2021)
 1. Infection 2. Consultation. 3. Doctor 4. Treatment 5. Recovery
 A. 1,3,4,5,2 C. 1,2,3,4,5
 B. 1,3,2,4,5 D. 2,3,5,1,4
- Q.42 A thermometer is to temperature as a compass is to (NMDCAT 2021)
 A. Pressure C. Direction
 B. Humidity D. Needle
- Q.43 Which word does not belong to others? (NMDCAT 2021)
 A. Tiger C. Duck
 B. Leopard D. Elephant
- Q.44 FRAME:PICTURE (NMDCAT 2021)
 A. Criminal:Crime C. River:Forest
 B. Nail:Hammer D. Binding:Book

- Q.45 A city cannot exist without? (NMDCAT 2021)
 A. Residents C. Shopping Malls
 B. Shops D. Grounds
- Q.46 As attractive is to beauty so, hope is to (NMDCAT 2021)
 A. Faith C. Talk
 B. Politely D. Happiness
- Q.47 Paw : Cat :: Hoof : ? (NMDCAT 2021)
 A. Lamb C. Elephant
 B. Horse D. Tiger
- Q.48 Observe the pattern and select the next term in the sequence: CAB,FAE,IAH (UHS MDCAT 2022)
 A. JHK C. JGK
 B. LAK D. IGJ
- Q.49 Which would be the next in series? (DUHS MDCAT 2022)
 7C 10F 14J 19O
 A. 23Q C. 27X
 B. 26N D. 25U
- Q.50 Observe the pattern and select the next term in the sequence: (SZABMU MDCAT 2022)
 ☺ • ◻, • ◻ ☺, • ◻ ☺ •, ◻ ☺ • •
 A. • • ☺ ◻ C. ☺ • • ◻
 B. • ☺ ◻ • D. ☺ • ◻ •
- Q.51 If in a certain language, REMOTE is coded as ROTEME, which word would be coded as PNIICC? (KMU MDCAT 2022)
 A. PINCIC C. PICNIC
 B. PNICIC D. PICCIN
- Q.52 Find the term which does not fit into the sequence: (KMU MDCAT 2022)
 1CV, 5FU, 9IT, 15LS, 17OR
 A. 17OR C. 9IT
 B. 5FU D. 15LS
- Q.53 Observe the pattern and select the next term in sequence: (SZABMU MDCAT 2023)
 ■■■■■■■■, ■▲■■■■■■, ■■■▲■■■
 A. ■■■■■■■■ C. ■■■■■■▲■
 B. ■■■■▲■■■ D. ■■■■■■▲
- Q.54 Read the following and choose the correct answer: (SZABMU MDCAT 2023)
 A man enters a room and finds a mirror. He looks at his shirt in the mirror and find the following: $\leq \text{WOIHA} \geq$. Another man enters the room and observes this man's shirt directly. Which of the following does he observe?
 A. $\geq \text{WOIHA} \leq$ C. $\leq \text{WOIHA} \geq$
 B. $\leq \text{AHIOW} \geq$ D. $\geq \text{AHIOW} \leq$
- Q.55 Observe the pattern and select the next term in the sequence: SSSSS, SSRSS, SRQRS, RQPQR (UHS MDCAT 2023)
 A. RQOQR C. RQPOPQR
 B. QRORQ D. QPOPQ
- Q.56 Complete the following series: KCD, LEF, MGH, _____, OKL. (KMU MDCAT 2023)
 A. NQM C. NIJ
 B. PJI D. NJI

Q.57 Look carefully at the symbols to find the pattern. Select the pattern from the options given below. (DUHS MDCAT 2023)



Q.58 If blue is called "green", green is called "white", white is called "red" and red is called "yellow", what is the color of milk? (DUHS MDCAT 2023)

- A. White
- B. Green
- C. Yellow
- D. Red

Q.59 Observe the pattern and select the next term, in the sequence: JEQ, HEO, FEM (UHS MDCAT 2024)

- A. GFN
- B. DEK
- C. GEL
- D. DFK

Q.60 What are the missing alphabets in the sequence EZFA, GBHY, INJC, _____? (SZABMU MDCAT 2024)

- A. KDLW
- B. KLDW
- C. KWLD
- D. LDKW

Q.61 Find out the missing term in the sequence: 15, 14, 12, 9, ? (KMU MDCAT 2024)

- A. 5
- B. 6
- C. 7
- D. 8

Q.62 Look at the numbers below. Identify the pattern and logically deduce the correct option that should follow: 1, 4, 9, 16, _____ (DUHS MDCAT 2024)

- A. 54
- B. 36
- C. 49
- D. 25

ANSWER KEY >>

1	A	11	C	21	D	31	D	41	B	51	C	61	A
2	A	12	B	22	C	32	C	42	C	52	D	62	D
3	A	13	B	23	B	33	C	43	C	53	C		
4	A	14	B	24	A	34	B	44	D	54	B		
5	B	15	D	25	C	35	C	45	A	55	D		
6	C	16	C	26	A	36	B	46	A	56	C		
7	B	17	A	27	C	37	B	47	B	57	D		
8	C	18	A	28	A	38	A	48	B	58	D		
9	D	19	B	29	B	39	B	49	D	59	B		
10	B	20	A	30	A	40	C	50	C	60	A		

2 TOPIC

LOGICAL PROBLEMS

INTRODUCTION

The word logic is derived from the Greek word "logos" meaning both "Thought" and "the word expressing thought"

Thus the logic is the science of thought as expressed in languages. This means that the questions on logic are to be solved as per the information given without any concern of the formal validity or truth of the statement i.e., conclusion should follow directly from the statements given.

In logical problems, a syllogism is a deductive argument in which conclusion has to be drawn from two or more propositions referred as the premises (Statements).

Here we deal with statements comprising of two or more arguments premises, followed by the conclusions.

For better understanding, the structure of argument is given below.

Argument { Statements : Some Cakes are Roses. All roses are Trucks. No Trucks are Bricks. (Premises)
I. Some Trucks are Cakes. } Conclusions
II. Some Bricks are Roses.
III. All cakes are Trucks. }

Which of the following is most appropriate in the above case

A. Only I

C. Only I and III

B. Only II

D. Only II and III

In all logical problems we face the statements like, Some A are B, All A are B, Some A are not B, No A are B.

Understanding the sense of these statements is the key to reach out the final and appropriate conclusion.

These facts can be summarized as follows:

	Statement Form	Quantity	Quality
1	Some A are B	Particular	Positive
2	All A are B	Universal	Positive
3	Some A are not B	Particular	Negative
4	No A are B	Universal	Negative

PRACTICE EXERCISE
TYPE-I (POSITIVE CONCLUSIONS)

Q.1 Statements:

Some kings are queens. All queens are beautiful.

Conclusions:

I. All kings are beautiful.

II. All queens are kings.

A. Only I

C. I and II

B. Only II

D. I and II are inappropriate

Q.2 Statements:

All pens are chalks. All chairs are chalks.

Conclusions:

I. Some pens are chairs.

II. Some chalks are pens.

A. Only I

C. I and II

B. Only II

D. I and II are inappropriate

Q.3 Statements:

No women teacher can play. Some women teachers are athletes.

Conclusions:

I. Male athletes can play.

II. Some athletes can play.

A. Only I

C. I and II

B. Only II

D. I and II are inappropriate

Q.4 Statements:

All roads are waters. Some waters are boats.

Conclusions:

I. Some boats are roads.

II. All waters are boats.

A. Only I

C. I and II

B. Only II

D. I and II are inappropriate

Q.5 Statements:

All branches are flowers. All flowers are leaves.

Conclusions:

I. All branches are leaves.

II. All leaves are branches.

III. All flowers are branches.

IV. Some leaves are branches.

A. Only I and III

C. Only II and III

B. Only I and IV

D. Only II and IV

Q.6 Statements:

All aeroplanes are trains. Some trains are chairs.

Conclusions:

- I. Some aeroplanes are chairs.
- II. Some chairs are aeroplanes.
- III. Some chairs are trains.
- IV. Some trains are aeroplanes.

A. Only III and IV

C. Only II and III

B. Only I and II

D. III and IV are inappropriate

Q.7 Statements:

All fruits are vegetables. All pens are vegetables. All vegetables are rains.

Conclusions:

- I. All fruits are rains.
- II. All pens are rains.
- III. Some rains are vegetables.

A. Only I and II

C. Only I and III

B. Only II and III

D. I, II and III

Q.8 Statements:

Some pictures are frames. Some frames are idols. All idols are curtains.

Conclusions:

- I. Some curtains are pictures.
- II. Some curtains are frames.
- III. Some idols are frames.

A. Only I and II

C. Only I and III

B. Only II and III

D. I, II and III

Q.9 Statements:

Some hills are rivers. Some rivers are deserts. All deserts are roads.

Conclusions:

- I. Some roads are rivers.
- II. Some roads are hills.
- III. Some deserts are hills.

A. Only I and II

C. Only II and III

B. Only I

D. I, II and III inappropriate



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Q.10 Statements:

Some saints are balls. All balls are bats. Some tigers are balls.

Conclusions:

- I. Some bats are tigers.
- II. Some saints are bats.
- III. All bats are balls.

- A. Only I and II
- B. Only II

- C. Only I and III
- D. Only III

Q.11 Statements:

Some pens are books. All schools are books. Some colleges are schools.

Conclusions:

- I. Some colleges are pens.
- II. Some pens are schools.
- III. Some colleges are books.

- A. Only I and II
- B. Only II and III

- C. Only I and III
- D. None of these

Q.12 Statements:

Some blades are hammers. Some hammers are knives. Some knives are axes.

Conclusions:

- I. Some axes are hammers.
- II. Some knives are blades.
- III. Some axes are blades.

- A. I, II and III are inappropriate
- B. Only I

- C. Only II
- D. Only III

Q.13 Statements:

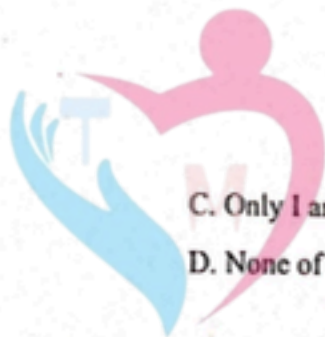
Some boxes are hammers. Some hammers are beads. All beads are rings.

Conclusions:

- I. Some rings are hammers.
- II. Some hammers are boxes.
- III. Some rings are boxes.

- A. I, II and III
- B. Only I

- C. Only I and II
- D. Only II and III



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Q.14 Statements:

Some blankets are beds. Some pillows are blankets. All beds are pillows.

Conclusions:

- I. Some blankets are pillows.
- II. Some pillows are beds.
- III. Some beds are blankets.

A. Only I

B. Only II

C. Only II and III

D. I, II and III

Q.15 Statements:

All dolls are windows. All bottles are windows. All cars are bottles.

Conclusions:

- I. All cars are windows.
- II. Some cars are dolls.
- III. Some windows are cars.

A. Only I and II

B. Only II and III

C. Only I and III

D. I, II and III

Q.16 Statements:

All flowers are toys. Some toys are trees. Some angels are trees.

Conclusions:

- I. Some angels are toys.
- II. Some trees are flowers.
- III. Some flowers are angels.

A. I, II and III are inappropriate

B. Only I and III

C. Only II

D. Only III

Q.17 Statements:

All snakes are trees. Some trees are roads. All roads are mountains.

Conclusions:

- I. Some mountains are snakes.
- II. Some roads are snakes.
- III. Some mountains are trees.

A. Only I

B. Only II

C. Only III

D. Both I and II

Q.18 Statements:

Some Cakes are Roses. All roses are Trucks. No Trucks are Bricks.

Conclusions:

- I. Some Trucks are Cakes.
- II. Some Bricks are Roses
- III. All Cakes are Trucks

- A. Only I
- B. Only III
- C. Only I and II
- D. Only II and III

Q.19 Statements:

All Tigers are Dogs. Some Tigers are Cats. All Cats are Lions.

Conclusions:

- I. Some Dogs are Lions.
- II. All Cats are Dogs.
- III. Some Lions are Tigers.

- A. Only I
- B. Only II
- C. Only I and III
- D. I, II and III are inappropriate

Q.20 Statements:

Some Bikes are Cars. All ships are Trains. Some Buses are Cars.

Conclusions:

- I. All Cars are Trains.
- II. Some Buses are Bikes.
- III. Some Cars are Buses.

- A. Only I
- B. Only I and III
- C. Only II and III
- D. Only III

Q.21 Statements:

Some bricks are trees. All trees are pens. All pens are boats.

Conclusions:

- I. Some boats are bricks.
- II. Some pens are bricks.
- III. Some trees are bricks.
- IV. Some bricks are boats.

- A. Only I and II
- B. Only III and IV
- C. Only I and IV
- D. All follows



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Q.22 Statements:

Some tigers are lions. Some lions are rabbits. Some rabbits are horses.

Conclusions:

- I. Some tigers are horses.
- II. Some rabbits are tigers.
- III. Some horses are lions.
- IV. All horses are rabbits.

A. Only IV

C. Only I and II

B. Only II and IV

D. None of these

Q.23 Statements:

All players are spectators. Some spectators are theatres. Some theatres are dramas.

Conclusions:

- I. Some dramas are spectators.
- II. Some players are dramas.
- III. Some theatres are players.
- IV. All spectators are players.

A. Only II and IV

C. Only II

B. Only I and III

D. None of these

TYPE-II (NEGATIVE CONCLUSIONS)

Q.24 Statements:

No bat is ball. No ball is wicket.

(BUMHS MDCAT 2023)

Conclusions:

- I. No bat is wicket.
- II. All wickets are bats.

A. Only I

C. I and II

B. Only II

D. I and II are inappropriate

Q.25 Statements:

All flowers are trees. No fruit is tree.

Conclusions:

- I. No fruit is flower.
- II. Some trees are flowers.

A. Only I

C. I and II

B. Only II

D. I and II are inappropriate

Q.26 Statements:

Some desks are caps. No cap is red.

Conclusions:

I. Some caps are desks.

II. No desk is red.

A. Only I

C. I and II

B. Only II

D. I and II are inappropriate

Q.27 Statements:

Some pastries are toffees. All toffees are chocolates.

Conclusions:

I. Some chocolates are toffees.

II. Some toffees are not pastries.

A. Only I

C. I and II

B. Only II

D. I and II are inappropriate

Q.28 Statements:

Ramzan is always successful. No fool is always successful.

Conclusions:

I. Ramzan is a fool.

II. Ramzan is not a fool.

A. Only I

C. I and II

B. Only II

D. I and II are inappropriate

Q.29 Statements:

All hill stations have a sun-set point. X is a hill station.

Conclusions:

I. X has a sun-set point.

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II. Places other than hill stations do not have sun-set points.

A. Only I

C. I and II

B. Only II

D. I and II are inappropriate

Q.30 Statements:

Some bags are pockets. No pocket is a pouch.

Conclusions:

I. No bag is a pouch.

II. Some bags are not pouches.

III. Some pockets are bags.

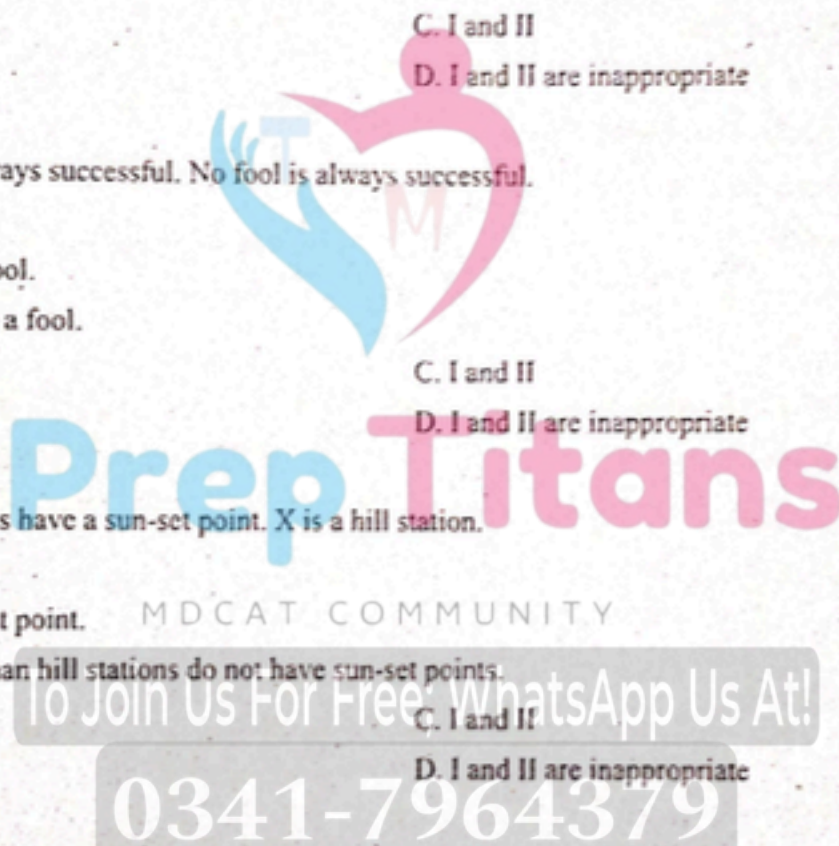
IV. No pocket is a bag.

A. Only I

C. Only II and III

B. Only I and III

D. None of these



Q.31 Statements:

All politicians are honest. All honest are fair.

Conclusions:

- I. Some honest are politicians.
- II. No honest is politician.
- III. Some fair are politicians.
- IV. All fair are politicians.

A. Only III

C. Only I and II

B. Only I

D. Only I and III

Q.32 Statements:

All windows are rods. Some rods are frames.

Conclusions:

- I. All frames are rods.
- II. All frames are windows.
- III. Some windows are frames.
- IV. No window is a frame.

A. Only III and IV

C. All follows

B. Only I and II

D. None follows

Q.33 Statements:

All trains are buses. No room is bus. All boats are rooms.

Conclusions:

- I. No boat is train.
- II. No bus is boat.
- III. No train is room.

A. Only I and III

C. Only II and III

B. Only I and II

D. I, II and III

Q.34 Statements:

All tigers are lions. No cow is lion. Some camels are cows.

Conclusions:

- I. Some lions are camels.
- II. No camel- is tiger.
- III. Some tigers are cows.

A. I, II and III are inappropriate

C. Only II

B. Only I

D. Only III

Q.35 Statements:

Some rats are cats. Some cats are dogs. No dog is cow.

Conclusions:

- I. No cow is cat.
- II. No dog is rat.
- III. Some cats are rats.

- A. I, II and III
- B. Only I and II
- C. Only II and III
- D. Only III

Q.36 Statements:

All trees are flowers. No flower is fruit. All branches are fruits.

Conclusions:

- I. Some branches are trees.
- II. No fruit is tree.
- III. No tree is branch.

- A. Only I
- B. Only III
- C. Only II
- D. None of these

Q.37 Statements:

Some uniforms are covers. All covers are papers. All papers are bags.

Conclusions:

- I. All covers are bags.
- II. Some bags are covers, papers and uniforms.
- III. Some uniforms are not papers.

- A. Only I
- B. Only I and II
- C. Only III
- D. I, II and III

Q.38 Statements:

No rabbit is lion. Some horses are lions. All rabbits are tables.

Conclusions:

- I. Some tables are lions.
- II. Some horses are rabbits.
- III. No lion is table.

- A. Only III
- B. Only II
- C. Only II and III
- D. None of these



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Q.39 Statements:

Some dogs are rats. All rats are trees. Some trees are not dogs.

Conclusions:

- I. Some trees are dogs.
- II. All dogs are trees.
- III. All rats are dogs.
- IV. No tree is dog.

- A. Only II and III
- B. Only I
- C. Only I and II
- D. None of these

Q.40 Statements:

Some papers are cats. All cats are bats. No bat is horse.

Conclusions:

- I. Some papers are horses.
- II. No horse is cat.
- III. Some bats are papers.
- IV. All papers are bats.

- A. Only I and II
- B. Only II and III
- C. Only III and IV
- D. Only I and IV

Q.41 Statement:

All cups are glasses. Some glasses are bowls. No bowl is a plate.

Conclusions:

- I. No cup is a plate.
- II. No glass is a plate.
- III. Some plates are bowls.
- IV. Some cups are not glasses.

- A. None follows
- B. Only I and III follows
- C. Only II and III follows
- D. Only III and IV follows

Q.42 Statement:

All tubes are handles. All cups are handles.

Conclusions:

- I. All cups are tubes.
- II. Some handles are not cups.

- A. Only I follows
- B. Only II follows
- C. Both I and II follows
- D. Neither I nor II follows



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Q.43 Statement:

Some books are pens. No pen is pencil.

Conclusions:

- I. Some pens are books.
- II. Some pencils are books.
- III. Some books are not pencils.
- IV. All pencils are books.

- A. Only I follows
- B. Only II and III follows
- C. Only I and III follows
- D. Only I and II follows

Q.44 Statement:

All rods are bricks. Some bricks are ropes. All ropes are doors.

Conclusions:

- I. Some rods are doors.
- II. Some doors are bricks.
- III. Some rods are not doors.
- IV. All doors are ropes.

- A. Only I and II follows
- B. Only II and III follows
- C. Only II follows
- D. None follows



TYPE-III (EITHER OR CASE)

Q.45 Statement:

Some clothes are marbles. Some marbles are bags.

Conclusions:

- I. No cloth is a bag.
- II. All marbles are bags.
- III. Some bags are clothes.
- IV. No marble is a cloth.

- A. Only either I or IV follows
- B. Only either I or II follows
- C. Only either I or III follows
- D. None follows

Q.46 Statement:

All chairs are tables. All desk are tables

Conclusions:

- I. Some desk are chairs.
- II. No desk is chair.

- A. Only I follow
- B. Only II follow
- C. Either I or II follows
- D. Neither I nor II follows

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Q.47 Statement:

All apples are grapes. Some grapes are lemons.

Conclusions:

I. Some lemons are apples.

II. No lemon is apple.

A. Only I follow

C. Either I or II follows

B. Only II follow

D. Neither I nor II follows

Q.48 Statement:

Some ball-points are pencils. Rubber is a ball-point.

Conclusions:

I. Rubber is not pencil.

II. Rubber is a pencil.

A. Only I follow

C. Either I or II follows

B. Only II follow

D. Neither I nor II follows

Q.49 Statement:

Some parrots are sparrows. No sparrow is pigeon.

Conclusions:

I. Some parrots are pigeons.

II. No parrot is pigeon.

A. Only I follow

C. Either I or II follows

B. Only II follow

D. Neither I nor II follows

Q.50 Statement:

No mobile is a cup. All cups are pictures

Conclusions:

I. No picture is mobile.

II. Some pictures are mobiles.

A. Only I follow

C. Either I or II follows

B. Only II follow

D. Neither I nor II follows

Q.51 Statement:

Some houses are offices. Some offices are schools.

Conclusions:

I. Some schools are houses.

II. Some offices are houses.

III. No house is school.

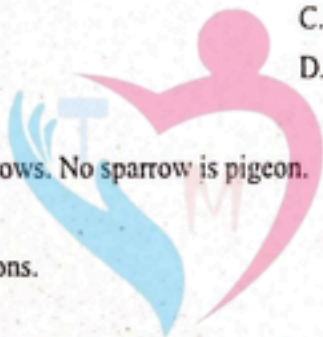
IV. Some schools are offices

A. Only II and III follows

C. Only either III or IV, and I follows

B. Only either I or III follows

D. Only II and IV, and either I or III follows



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Q.52 Statement:

No box is toy. All toys are blocks.

Conclusions:

- I. Some blocks are toys.
- II. Some blocks are boxes.
- III. No block is box.

A. Only I follows

C. Only either II or III, and I follow

B. Only either II or III follows

D. None follows

Q.53 Statement:

All needles are threads. All threads are boxes. All trees are boxes.

Conclusions:

- I. No needle is tree.
- II. Some trees are threads.
- III. Some boxes are needles.
- IV. Some trees are needles.

A. Only either I or IV and II follows

C. Only either I or IV, and III follows

B. Only either I or IV follows

D. Only III follows

Q.54 Statement:

Some towels are brushes. No brush is soap. All soaps are rats

Conclusions:

- I. Some rats are brushes.
- II. No rat is brush.
- III. Some towels are soaps.

A. None follows

C. Only II follows

B. Only either I or II follows

D. Only I and III follows

Q.55 Statement:

All myths are fictions. No fiction is novel. All novels are stories.

Conclusions:

- I. No myth is novel.
- II. Some fictions are novels.
- III. Some fictions are myths.
- IV. Some myths are novels.

A. Only either I or II and both III and IV follows

B. Only either I or IV and II follows

C. Only either I or IV and both II and III follows

D. None of these



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ANSWER KEY >>

1	D	11	D	21	D	31	D	41	A	51	D
2	B	12	A	22	D	32	D	42	D	52	C
3	D	13	C	23	D	33	D	43	C	53	C
4	D	14	D	24	D	34	A	44	C	54	B
5	B	15	C	25	C	35	D	45	C	55	D
6	A	16	A	26	A	36	D	46	C		
7	D	17	C	27	A	37	B	47	C		
8	B	18	A	28	B	38	D	48	C		
9	B	19	C	29	A	39	B	49	C		
10	A	20	D	30	C	40	B	50	C		

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PAST PAPER MCQs

Q.1 Statements: (NMDCAT 2021)

Cats are mammals. Dogs are mammals.

Conclusions:

I. Cats and dogs are mammals.

II. Cats are dogs.

A. Only I

C. Only II

B. Both I and II

D. None

Q.2 Statements: (NMDCAT 2021)

Some cats are rats. All rats are trees. Some trees are not cats.

Conclusions:

I. Some trees are cats.

II. All cats are trees.

III. All rats are cats.

IV. No tree are cats.

A. I is valid

C. III is valid

B. II is valid

D. II and III are valid

Q.3 Statements: (NMDCAT 2021)

Some papers are pens. Angles is a paper.

Conclusions:

I. Angle is not a pen. M D C A T C O M M U N I T Y

II. Angle is a pen.

A. Only conclusion II follows

C. Neither I nor II follows

B. Either I or II follows

D. Both I and II follows

Q.4 Statements: (NMDCAT 2021)

All film stars are playback singers. All film directors are film stars.

Conclusions:

I. All film directors are playback singers.

II. Some film stars are film directors.

A. Only conclusion II follows

C. Neither I nor II follows

B. Either I or II follows

D. Both I and II follow

Q.5 Statements:

All fish are tortoise. No tortoise is a crocodile.

Conclusions:

I. No crocodile is a fish.

II. No fish is crocodile.

A. Only conclusion II follows

B. Neither I nor II follows

C. Either I or II follows

D. Both I and II follow

(NMDCAT 2021)

Q.6 Statements:

No cities are countries. No countries are villages

Conclusions:

I. Some countries are cities.

II. No villages are the city.

A. Only conclusion I follows

B. Only conclusion II follows

C. Both conclusions follows

D. Both of them do not follow

(NMDCAT 2021)

Q.7 Statements:

All apples are bananas. No banana is a mango. Some mangoes are oranges.

Conclusions:

I. All oranges can never be bananas.

II. Some mangoes are apples.

A. Only conclusion I follows

B. Only conclusion II follows

C. Both conclusions follow

D. Both of them do not follow

(NMDCAT 2021)

Q.8 Statements:

No rings are bangles. All gold are rings.

Conclusions

I. No bangles are gold.

II. Some rings are gold.

A. Only conclusion I follows

B. Only conclusion II follows

C. Both conclusions follow

D. Both of them do not follow

(NMDCAT 2021)

Q.9 Statement

All clocks are watches. Some clocks are alarms.

Conclusion

I. Some alarm are watches.

II. All watches are alarm

A. Only conclusion I follows

B. Only conclusion II follows

C. Both conclusions follow

D. Both of them do not follow

Q.10 Statements:

(NMDCAT 2021)

Some pastries are toffees. All toffees are chocolates.

Conclusions:

- I. Some chocolates are toffees.
- II. Some toffees are not pastries.

- A. Only conclusion I follows
- B. Only conclusion II follows
- C. Either I or II follows
- D. Neither I nor II follows

Q.11 Some bags are pouches. All pouches are cases. No cases are purses. Which of the following conclusions are NECESSARILY TRUE? (UHS 2022)

- I. Some pouches are purses.
- II. Some bags are cases.
- III. No bags are purses.

- A. I and II
- B. I and III
- C. II
- D. II and III

Q.12 Statements:

(SZABMU 2022/UHS 2024)

All hammers are tools. Some tools are useless things. All useless things are trash. Which of the following conclusions is NECESSARILY TRUE given only the information above?

Conclusions:

- I. Some hammers are trash.
- II. Some tools are trash.
- III. All useless things are tools.

- A. I and III
- B. I and II
- C. II and III
- D. II

Q.13 All children are silly people. Some silly people are rich people. All rich people are big shots.

(BUMHS 2022/UHS 2023)

Which of the following conclusions are NECESSARILY TRUE? CONCLUSIONS:

- I. Some silly people are children.
- II. Some rich people are children
- III. Some silly people are big shots.

- A. I and III
- B. II
- C. II and III
- D. I and II

Q.14 All fridges are freezers. All freezers are devices. Some devices are computers. Which of the following conclusions are **NECESSARILY TRUE**? (BUMHS 2023)

Conclusions:

- I. Some freezers are computers.
- II. All fridges are devices.
- III. Some computers are freezers.

- A. II and III
- B. I and III

- C. II only
- D. I and II

Q.15 Statements: No bat is ball. No ball is wicket. Conclusion 1: No bat is wicket. Conclusion 2: All wickets are bats. (BUMHS 2023)

- A. Only conclusion 1 follows.
- B. Only conclusion 2 follows.

- C. Neither 1 nor 2 follows.
- D. Either 1 or 2 follows.

Q.16 A ball is a sphere. All spheres are round. Some round things are mesmerizing. Which of the following conclusions is **NECESSARILY TRUE**? (SZABMU 2023)

Conclusions:

- I. All balls are mesmerizing.
- II. All round things are spheres.
- III. Some mesmerizing things are sphere.

- A. III
- B. I and II

- C. II and III
- D. None follow

Q.17 Statement: Some teachers are students. All students are girls. No student is a boy. (KMU MDCAT 2023)

Conclusions:

- I. Some teachers are boys.
- II. Some girls are teachers.
- III. Some girls are students.

- A. Only I follows
- B. Only I, II and III follow

- C. Only II follows
- D. Only II and III follow

Q.18 All omnivores are herbivores. No herbivores are carnivores. Some carnivores are humans. Which of the following conclusions are **TRUE**? (KMU MDCAT 2024)

Conclusions:

- I. Some humans are carnivores.
- II. No carnivores are omnivores.
- III. Some omnivores are carnivores.

- A. I and II
- B. I and III

- C. II and III
- D. III

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ANSWER KEY >>

1	A	2	A	3	C	4	D	5	D	6	D
7	A	8	C	9	A	10	A	11	C	12	D
13	A	14	C	15	C	16	D	17	D	18	A

3 TOPIC

LOGICAL DEDUCTIONS

INTRODUCTION

This section of logical reasoning comprises of questions put in the form of puzzles involving certain numbers of items, persons or things. The student is required to analyze the given information, condense it, in a suitable form and deduce the result asked in the question.

Directions: (Questions 1-2): Read the following information to answer the given

There is a family of six persons G, J, B, E, T and Z. Their professions are teacher, writer, actor, singer, dancer and lawyer but not respectively in the same order. G is a teacher. Z is a dancer. B is neither writer nor actor. E is neither singer nor lawyer. T is an actor. J is a lawyer.

Q.1 Which profession does E belong to?

- A. Writer
- B. Teacher
- C. Singer
- D. Dancer

Q.2 Who among them has a profession of singer?

- A. E
- B. T
- C. B
- D. J

Directions: (Questions 3 to 5): Read the following information carefully and answer the questions given below:

Rizwan and Kashif are good in Hockey and Volleyball. Saeed and Rizwan are good in Hockey and Baseball. Ghafoor and Kashif are good in Cricket and Volleyball. Saeed, Ghafoor and Muncceb are good in Football and Baseball.

Q.3 Who is good in Hockey, Cricket and Volleyball?

- A. Saeed
- B. Kashif
- C. Rizwan
- D. Ghafoor

Q.4 Who is good in Baseball, Cricket, Volleyball and Football?

- A. Saeed
- B. Kashif
- C. Ghafoor
- D. Rizwan

Q.5 Who is good in Baseball, Volleyball and Hockey?

- A. Saeed
- B. Kashif
- C. Rizwan
- D. Ghafoor

Directions: (Questions 6 to 10): Study the following information and answer the questions given below it:

There is a group of five students A, B, C, D and E from KIPS college. B and E are good in Dramatics and Computer Science. A and B are good in Computer Science and Physics. A, C and D are good in Physics and History. A and C are good in Physics and Mathematics. D and E are good in History and Dramatics.

Q.6 Who is good in Physics, History and Dramatics?

- A. A
- B. B
- C. D
- D. E

- Q.7 Who is good in Physics, History and Mathematics, but not in Computer Science?
 A. A C. C
 B. B D. D
- Q.8 Who is good in Computer Science, History and Dramatics?
 A. A C. C
 B. B D. E
- Q.9 Who is good in History, Physics, Computer Science and Mathematics?
 A. A C. C
 B. B D. D
- Q.10 Who is good in Physics, Dramatics and Computer Science?
 A. A C. D
 B. B D. E

Direction: (Question 11-12)

Three persons A, B and C wore shirts of black, blue and orange colors (not necessarily in that order) and pants of green, yellow and orange colors (not necessarily in that order). No person wore pant and shirt of the same color. Further, it is given that

- (i) A did not wear shirt of black color.
- (ii) B did not wear shirt of blue color.
- (iii) C did not wear shirt of orange color.
- (iv) A did not wear pant of green color.
- (v) B wore pant of orange color.

Q.11 What were the colors of pant and shirt worn by C, respectively?

- A. Yellow and Black C. Green and Blue
 B. Yellow and Blue D. Orange and Black

Q.12 Which person wore a black shirt and orange pants?

- A. A D. None of these
 B. B

Direction: (Question 13-14)

In a group of six women, there are four dancers, four vocal musicians, one actress and three violinists. G and V are among the violinists while J and S do not know how to play on the violin. S and T are among the dancers. J, V, S and T are all vocal musicians and two of them are also violinists.

Q.13 If P is an actress, who among the following is both a dancer and a violinist?

- A. J C. T
 B. S D. P

Q.14 Which of the following person could be a dancer, vocal musician and violinist?

- A. G C. J
 B. V D. Insufficient information

Direction: (Question 15-17)

Four players A, B, C and D are holding 4 cards each. Each of them has an Ace, a King, a Queen and a Jack. All of them have all the suits (spades, hearts, clubs and diamonds).

- (i) A has Ace of spades and Queen of diamonds.
- (ii) B has Ace of clubs and King of diamonds.
- (iii) C has Queen of clubs and King of spades.
- (iv) D has Jack of clubs.

Q.15 Jack of hearts is with

- A. A
- B. B
- C. C
- D. D

Q.16 Queen of spades is with:

- A. A
- B. B
- C. C
- D. D

Q.17 C has which of the following with him?

- A. Ace of hearts
- B. Jack of spades
- C. King of hearts
- D. Queen of spades

Direction: (Questions 18-19): Read the following information and answers the questions given below it.

- (i) Anna is older than Sanya.
- (ii) Muskan is elder than Anna but younger than Kashmala.
- (iii) Kashmala is elder than Sanya.
- (iv) Sanya is younger than Muskan.
- (v) Gulrukh is the eldest.

Q.18 Who is the youngest?

- A. Kashmala
- B. Anna
- C. Muskan
- D. Sanya

Q.19 Age wise, who is in the middle?

- A. Kashmala
- B. Anna
- C. Muskan
- D. Sanya

Q.20 A, B, C, D and E are five friends. A is shorter than B but taller than E. C is the tallest. D is shorter than B and taller than A. Who has two persons taller and two persons shorter than him/her?

- A. A
- B. B
- C. C
- D. D

- Q.21 If P is taller than Q, R is shorter than P, S is taller than T but shorter than Q, then who among them is the tallest?
- A. P
B. Q
C. S
D. T
- Q.22 In the above question, who among the following is the shortest?
- A. R
B. T
C. S
D. Cannot be determined

Direction: (Question 23)

- (i) Ghulam Rasool is shorter than Ali but taller than Kamran.
(ii) Naeem is shorter than Kamran.
(iii) Jameel is taller than Naeem.
(iv) Ali is taller than Jameel.
- Q.23 Who among them is the tallest?
- A. Ali
B. Naeem
C. Kamran
D. Jameel
- Q.24 A, P, R, X, S and Z are sitting in a row. S and Z are in the centre, and A and P are at the ends. R is sitting on the left of A. Then who is sitting on the right of P?
- A. A
B. S
C. X
D. Z
- Q.25 In a March Past, seven persons are standing in a row. Q is standing left to R but right to P. O is standing right to N and left to P. Similarly, S is standing right to R and left to T. Find out who is standing in the middle.
- A. P
B. Q
C. R
D. O
- Q.26 In the Olympic games, the flags of six nations were flown on the masts in the following way: The flag of America was to the left of Pakistan and to the right of the flag of France. The flag of England was on the right of the Pakistan flag but was to the left of the flag of Japan, which was to the left of the flag of China.
Find the two flags which are in the centre.
- A. Pakistan and England
B. America and Pakistan
C. Japan and England
D. America and England

Direction: (Question 27)

- In a cricket season, Pakistan defeated Australia twice, West Indies defeated Pakistan twice, Australia defeated West Indies twice, Pakistan defeated New Zealand twice, and West Indies defeated New Zealand twice.
- Q.27 Which country has lost the greatest number of times?
- A. Pakistan
B. Australia
C. New Zealand
D. West Indies

Direction: (Questions 28-30)

Six friends are sitting in a circle and are facing the center of the circle.

- A is between B and C.
- D is between E and F.
- B and E are opposite to each other.

Q.28 Who are neighbors of E?

- | | |
|------------|------------|
| A. B and A | C. D and C |
| B. A and D | D. F and D |

Q.29 Who is just right to C?

- | | |
|------|------|
| A. A | C. B |
| B. C | D. D |

Q.30 Who is sitting opposite to D?

- | | |
|------|------|
| A. B | C. C |
| B. A | D. F |

Direction: (Questions 31-40)

In this type, the questions consist of a sort of direction puzzle. A successive follow-up of directions is formulated and the student is required to determine the final direction or the distance between two points.

Q.31 A rat runs 20' towards East and turns to right, runs 10' and turns to right, runs 9' and again turns to left, runs 5' and then turns to left, runs 12' and finally turns to left and runs 6'. Now, which direction is the rat facing?

- | | |
|---------|----------|
| A. East | C. North |
| B. West | D. South |

Q.32 Two ladies and two men are playing cards and are seated at North, East, South and West of a table. No lady is facing East. Persons sitting opposite to each other are not of the same sex. One man is facing South. Which directions are the ladies facing?

- | | |
|-------------------|-------------------|
| A. East and West | C. North and East |
| B. South and East | D. North and West |

Q.33 There are four towns P, Q, R and T. Q is to the South-west of P, R is to the East of Q and South-east of P, and T is to the North of R in line with QP. In which direction of P is T located?

- | | |
|---------------|---------------|
| A. South-east | C. North-east |
| B. North | D. East |

- Q.34 The post office is to the east of the school while my house is to the south of the school. The market is to the north of the post office. If the distance of the market from the post office is equal to the distance of my house from the school, in which direction is the market with respect to my school?
- A. North
B. East
C. North-east
D. South-west
- Q.35 Kamran walks 10km towards North. From there he walks 6km towards South. Then, he walks 3km towards East. How far and in which direction is he with reference to his starting point?
- A. 5 km West
B. 7 km West
C. 7 km East
D. 5 km North-east
- Q.36 You go North, turn right, then right again and then go to the left. In which direction are you now?
- A. North
B. South
C. East
D. West
- Q.37 P, Q, R, S, T, U, V, W are sitting around a round table in the same order, for group discussion at equal distances. Their positions are clockwise. If V sits in the north, then what will be the position of S?
- A. East
B. South-east
C. South
D. South-west
- Q.38 P, Q, R and S are playing a game of carrom. P, R and S, Q are partners. S is to the right of R who is facing west. Then, Q is facing
- A. North
B. South
C. East
D. West
- Q.39 A and B start walking in opposite directions. A walked 2 miles and B walked 3 miles. Then each turned right & walked 4 miles. Then they turned right. A walked 3 miles and B walked 2 miles. How far distant apart are they at the end?
- A. 5 miles
B. 7 miles
C. 8 miles
D. 10 miles
- Q.40 A man travels 2 miles, turns left & travels another 4 miles & then turns right travels yet another mile. How far is he from starting point?
- A. 3 miles
B. 5 miles
C. 7 miles
D. 9 miles

Directions: (Questions 41-50)

Each problem consists of three statements. Based on the first two statements, the third statement may be true, false, or uncertain.

Q.41 Statements: (NMDCAT 2021)

Blueberries cost more than strawberries.

Blueberries cost less than raspberries.

Raspberries cost more than strawberries and blueberries.

If the first two statements are true, the third statement is

A. True

C. Uncertain

B. False

D. None of these

Q.42 Statements: (NMDCAT 2021)

The Emporium Mall has more stores than the Giga.

The Packages Mall has fewer stores than the Giga.

The Emporium Mall has more stores than the Packages Mall.

If the first two statements are true, the third statement is

A. True

C. Uncertain

B. False

D. None of these

Q.43 Statements: (NMDCAT 2021)

During the past year, Junaid saw more movies than Sadia.

Sadia saw fewer movies than Daud.

Daud saw more movies than Junaid.

If the first two statements are true, the third statement is

A. True

C. Uncertain

B. False

D. None of these

Q.44 Statements: (NMDCAT 2021)

Rover weighs less than Fido.

Rover weighs more than Boomer.

Of the three dogs, Boomer weighs the least.

If the first two statements are true, the third statement is

A. True

C. Uncertain

B. False

D. None of these

Q.45 Statements: (NMDCAT 2021)

Maryum is sitting in the desk behind Jameel.

Jameel is sitting in the desk behind Basit.

Basit is sitting in the desk behind Maryum.

If the first two statements are true, the third statement is

A. True

C. Uncertain

B. False

D. None of these

Q.46 Statements:

(NMDCAT 2021)

Battery X lasts longer than Battery Y.

Battery Y doesn't last as long as Battery Z.

Battery Z lasts longer than Battery X.

If the first two statements are true, the third statement is

A. True

C. Uncertain

B. False

D. None of these

Q.47 Statements:

(NMDCAT 2021)

Islamabad is north of Balochistan.

Balochistan is east of Lahore.

Lahore is northwest of Islamabad.

If the first two statements are true, the third statement is

A. True

C. Uncertain

B. False

D. None of these

Q.48 Taking the train across town is quicker than taking the bus.

Taking the bus across town is slower than driving a car.

Taking the train across town is quicker than driving a car.

If the first two statements are true, the third statement is

A. True

C. Uncertain

B. False

D. None of these

Q.49 At a parking lot, a sedan is parked to the right of a pickup and to the left of a sport utility vehicle.

A minivan is parked to the left of the pickup.

The minivan is parked between the pickup and the sedan.

If the first two statements are true, the third statement is

A. True

C. Uncertain

B. False

D. None of these

Q.50 The temperature on Monday was lower than on Tuesday.

The temperature on Wednesday was lower than on Tuesday.

The temperature on Monday was higher than on Wednesday

If the first two statements are true, the third statement is

A. True

C. Uncertain

B. False

D. None of these

Direction: (Questions 51-55)

The logical problems in this set present you with three true statements: Fact 1, Fact 2, and Fact 3. Then, you are given three more statements (labeled I, II, and III), and you must determine which of these, if any, is also a fact.

Q.51 Fact 1: Islands are surrounded by water.

Fact 2: Maui is an island.

Fact 3: Maui was formed by a volcano.

If the first three statements are facts, which of the following statements must also be a fact?

I. Maui is surrounded by water.

II. All islands are formed by volcanoes.

III. All volcanoes are on islands.

A. I only

C. II and III only

B. II only

D. None of the statements is a known fact.

Q.52 Fact 1: Most stuffed toys are stuffed with beans.

Fact 2: There are stuffed bears and stuffed tigers.

Fact 3: Some chairs are stuffed with beans.

If the first three statements are facts, which of the following statements must also be a fact?

I. Only children's chairs are stuffed with beans.

II. All stuffed tigers are stuffed with beans.

III. Stuffed monkeys are not stuffed with beans.

A. I only

C. II and III only

B. II only

D. None of the statements is a known fact.

Q.53 Fact 1: Ali has four vehicles.

Fact 2: Two of the vehicles are red.

Fact 3: One of the vehicles is a minivan.

If the first three statements are facts, which of the following statements must also be a fact?

I. Ali has a red minivan.

II. Ali has three cars.

III. Ali's favorite color is red.

A. I only

C. II and III only

B. II only

D. None of the statements is a known fact.

Q.54 Fact 1: Maria said, "Anila and I both have cats."

Fact 2: Anila said, "I don't have a cat."

Fact 3: Maria always tells the truth, but Anila sometimes lies.

If the first three statements are facts, which of the following statements must also be a fact?

I. Anila has a cat.

II. Maria has a cat.

III. Anila is lying.

A. I only

C. I and II only

B. II only

D. All the statements are facts.

Q.55 Fact 1: Javaria has four children

Fact 2: Two of the children have blue eyes and two of the children have brown eyes.

Fact 3: Half of the children are girls.

If the first three statements are facts, which of the following statements must also be a fact?

I. At least one girl has blue eyes.

II. Two of the children are boys.

III. The boys have brown eyes.

A. I only

C. II and III only

B. II only

D. None of the statements is a known fact.

Direction: (Questions 56-58)

In this type of questions, a description is given in the form of certain small relationships and students are required to analyze the whole chain of relations and find the direct relationship between the persons concerned.

Q.56 A and B are sisters. C and D are brothers. A is the mother of D, what is the relation of B to C.

A. Mother

C. Aunt

B. Mother-in-law

D. Sister-in-law

Q.57 Abdullah's mother is sister of Ajmal's brother. What is Abdullah to Ajmal?

A. Nephew

C. Father

B. Uncle

D. Brother in law

Q.58 A child was accompanying a woman. On being asked who the boy was, the woman said, His mother was the only daughter of my mother. How has the boy related to the woman?

A. Son

C. Nephew

B. Brother

D. None

Direction: (Question 59) MDCAT COMMUNITY

There is a family of six persons E, I, R, K, T, and Y. I and R are sisters. T is mother of R and E is son-in-law of K. K is father of I. Y is grandson of T and I is mother of Y.

Q.59 How is R related to Y?

A. Aunt

C. Sister

B. Niece

D. Mother

Direction: (Question 60)

H, Q, C, L, N and F are six members of a family. There are two married couples among them. C is the mother of H and F. N is the father of L. H is the grandson of Q.

The total number of female members in the family is three.

Q.60 How is Q related to F?

A. Sister

C. Wife

B. Grandmother

D. Insufficient information

Directions (Question 61)

P, Q, R, S, T and U are six members of a family. Two married couples live there. Q is a priest and the father of T. U is grandfather of R and is a lawyer. S is a doctor and she is the grandmother of T. Other professionals include one priest, one lawyer, one engineer, one doctor and two graduates in the family.

Q.61 Who is the husband of P?

- A. R
- B. U
- C. Q
- D. S

Directions (Question 62 to 65): Read the following information to answer the given

There are six persons A, B, C, D, E and F. C is the sister of F. B is the brother of E's husband. D is the father of A and grandfather of F. There are two fathers, three brothers and a mother in the group.

Q.62 Who is the mother?

- A. A
- B. B
- C. D
- D. E

Q.63 Who is E's husband?

- A. B
- B. C
- C. A
- D. F

Q.64 How is F related to E?

- A. Uncle
- B. Husband
- C. Son
- D. Daughter

Q.65 Which of the following is a group of brothers?

- A. ABF
- B. ABD
- C. BEC
- D. BDF

Q.66 Price of an automobile is decreased by 50% to 325,000. Its original value is:

- A. 600,000
- B. 650,000
- C. 975,000
- D. 162,000

Q.67 A bag marked at a price of Rs 1600 is available at a discount of 45%. What is the discount given on the bag?

- A. Rs 740
- B. Rs 720
- C. Rs 800
- D. Rs 760

Q.68 Cost price of the camera was Rs 450 and it was sold at a profit of 16%. What is its selling price?

- A. 520
- B. 500
- C. 525
- D. 522



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PAST PAPER MCQs

- Q.1 If Sania runs faster than Aneela and Aneela runs slower than Faiza, then: (NMDCAT 2021)
- A. Sania and Faiza have same speed
 B. Sania have highest speed
 C. Faiza have highest speed
 D. Highest speed cannot be predicted

- Q.2 Mara runs faster than Gail.
 Lily runs faster than Mara.
 Gail runs faster than Lily.

If the first two statements are true, the third statement is.

- A. True
 B. False
 C. Uncertain
 D. None of these
- Q.3 Four people were witnessed as assaulted at an incident. Each of them have their own description of the scene. Which one will be probably right? (NMDCAT 2021)
- A. He was average height, thin, and middle aged
 B. He was tall, thin, and middle aged
 C. He was tall, thin and young
 D. He was tall, of average weight, and middle aged

- Q.4 Statements: (NMDCAT 2021)
- $A > B, B \geq C, C < D$

Conclusions

(I) $A > C$

(II) $A = C$

A. Only I is true

B. Only II is true

M D C A T C O M M U N I T Y

C. Either I or II true

D. Neither I nor II is true

- Q.5 Fact 1: All drink mixes are beverages (NMDCAT 2021)

Fact 2: All beverages are drinkable

Fact 3: Some beverages are red

If the above three statements are facts than which of the following statement will also be a fact.

I. Some drink mixes are red.

II. All beverages are drink mixes.

III. All red drink mixes are drinkable

A. I only

B. II only

C. III only

D. None of them is a fact

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Q.6 Children are in pursuit of a dog whose leash has broken. James is directly behind the dog. Ruby is behind James. Rachel is behind Ruby. Max is ahead of the dog walking down the street in the opposite direction. As the children and dog pass, Max turns around and joins the pursuit. He runs in behind Ruby. James runs faster and is alongside the dog on the left. Ruby runs faster and is alongside the dog on the right. Which child is directly behind the dog?
(NMDCAT 2021)

- A. James
- B. Rachel
- C. Ruby
- D. Max

Q.7 The hotel is two blocks east of the drugstore.
The market is one block west of the hotel.
The drugstore is west of the market.
If the first two statements are true, the third statement is
(NMDCAT 2021)

- A. True
- B. False
- C. Uncertain
- D. None of these

Q.8 Fact 1 All hats have brims
Fact 2 There are black hats and blue hats
Fact 3 Baseball caps are hats
(NMDCAT 2021)

If the above three statements are facts then which of the following statement will also be a fact

- I. All caps have brims
 - II. Some baseball caps are blue.
 - III. Baseball caps have no brims
- A. I only B. II only C. I and III only D. None of them is a fact

Q.9 A four-person crew from Classic Colors is painting Mr. Zohrab's house. Ahmed is painting the front of the house. Malra is in the alley behind the house painting the back. Ayesha is painting the window frames on the north side, Hamza is on the south. If Ahmed switches places with Ayesha, and Ayesha then switches places with Hamza, where is Hamza?
(NMDCAT 2021)

- A. In the alley behind the house
- B. On the north side of the house
- C. In front of the house
- D. On the south side of the house

Q.10 Four friends in the fifth grade were sharing a pizza. They decided that the oldest friend would get the extra piece. Zara is two month older than Mohib, who is three months younger than Kiran. Minal is one month older than Mohib. Who should get the extra piece of pizza?
(NMDCAT 2021)

- A. Zara
- B. Mohib
- C. Kiran
- D. Minal

- Q.11 On the day Bilal triplets are born,
Jamila weighs more than Javed.
Javed weighs less than Junaid.
Of the three babies, Junaid weighs the most.
If the first two statements are true, the third statement is
- A. True
B. False
C. Uncertain
D. None of these
- (NMDCAT 2021)
- Q.12 Statements:
Blueberries cost more than strawberries.
Blueberries cost less than raspberries.
Raspberries cost more than strawberries and blueberries.
If the first two statements are true, the third statement is
- A. True
B. False
C. Uncertain
D. None of these
- (NMDCAT 2021)
- Q.13 Statements:
The Emporium Mall has more stores than the Giga.
The Packages Mall has fewer stores than the Giga.
The Emporium Mall has more stores than the Packages Mall.
If the first two statements are true, the third statement is
- A. True
B. False
C. Uncertain
D. None of these
- (NMDCAT 2021)
- Q.14 Statements:
During the past year, Junaid saw more movies than Sadia.
Sadia saw fewer movies than Daud.
Daud saw more movies than Junaid.
If the first two statements are true, the third statement is
- A. True
B. False
C. Uncertain
D. None of these
- (NMDCAT 2021)
- Q.15 Statements:
Maryum is sitting in the desk behind Jameel.
Jameel is sitting in the desk behind Basit.
Basit is sitting in the desk behind Maryum.
If the first two statements are true, the third statement is
- A. True
B. False
C. Uncertain
D. None of these
- (NMDCAT 2021)

Q.16 Statements:

- Battery X lasts longer than Battery Y.
 Battery Y doesn't last as long as Battery Z.
 Battery Z lasts longer than Battery X.

If the first two statements are true, the third statement is

- A. True
 B. False
 C. Uncertain
 D. None of these

(NMDCAT 2020)

Q.17 Statements:

- Islamabad is north of Balochistan.
 Balochistan is east of Lahore.
 Lahore is northwest of Islamabad.

If the first two statements are true, the third statement is

- A. True
 B. False
 C. Uncertain
 D. None of these

(NMDCAT 2020)

Q.18 Fact 1: A boy have a four cars

Fact 2: Two of the cars are red

Fact 3: He have one sports car

If the above three statements are facts than which of the following statement will also be a fact.

- I. The boy have red sports car
 II. He have 2 corolla
 III. His favorite color is red.

- A. Only I and II
 B. Only II
 C. Only III
 D. None of the statement is a fact

(NMDCAT 2020)

Q.19 Fact 1: Ayesha said Hamza and I both have cats

Fact 2: Hamza said I don't have a cat

Fact 3: Ayesha always tells the truth but Hamza sometimes lies if the above three statements are facts than which of the following statements will also be a fact.

- I. Ayesha has a cat
 II. Hamza has a cat
 III. Hamza is lying

- A. Only I
 B. Only II
 C. Only III
 D. All the statements are known facts

(NMDCAT 2020)

Q.20 The high school math department needs to appoint a new chairperson, which will be based on seniority. Ms. West has less seniority than Mr. Temple, but more than Ms. Brody. Mr. Rhodes has more seniority than Ms. West, but less than Mr. Temple. Mr. Temple doesn't want the job. Who will be the new math department chairperson?

- A. Mr. Rhodes
 B. Mr. Temple
 C. Mr. West
 D. Mr. Brody

(NMDCAT 2020)

Q.21 Read the following and choose the correct answer:

Drake was wearing a blue shirt with black jeans and brown shoes. John was wearing a red shirt with black jeans and black shoes. Ahmad was wearing a blue shirt with blue jeans and brown shoes. Nahaz claims he saw someone wearing black jeans, a blue or red shirt, and shoes that were not black. Who did he see?

- A. Ahmad
 B. John
 C. Drake
 D. Cannot elicit from given information

(UHS MDCAT 2020)

- Q.22 Read the following and choose the correct answer: (SZABMU MDCAT 2022)
 "X, Y and Z are three whole numbers less than 24 but greater than 11. X is the smallest prime number. Y is the largest number divisible by 3, Z is the smallest number divisible by 11?"
 A. X is 13, Y is 24, Z is 11
 B. X is 13, Y is 21, Z is 22
 C. X is 11, Y is 21, Z is 11
 D. X is 11, Y is 24, Z is 22
- Q.23 Five bags are lying in a pile one above the other. If A is above B, C is above D but below E and D is above A, which bag is in the middle. (KMU MDCAT 2022)
 A. E
 B. D
 C. A
 D. B
- Q.24 Read the following and choose the correct answer: (BUMHS MDCAT 2022)
 X, Y and Z are three whole numbers less than 31 but greater than 23. X is a prime number. Y is the largest odd number smaller than 35. Z is smallest even number?
 A. X is 31, Y is 29 and Z is 24
 B. X is 29, Y is 29 and Z is 24
 C. X is 23, Y is 29 and Z is 24
 D. X is 27, Y is 31 and Z is 26
- Q.25 Read the following and choose the correct answer: "X, Y and Z are three whole numbers less than 31 but greater than 23. X is a prime number. Y is the largest odd number smaller than 35. Z is the smallest even number? (UHS MDCAT 2023)
 A. X is 31, Y is 29 and Z is 24.
 B. X is 29, Y is 29 and Z is 24.
 C. X is 23, Y is 29 and Z is 24.
 D. X is 27, Y is 31 and Z is 26.
- Q.26 Essa is younger than Moosa.
 X = Twice Essa's age.
 Y = Moosa's age
 Which of the following is true about this information? (DUHS MDCAT 2023)
 A. $X > Y$
 B. $Y > X$
 C. $X = Y$
 D. The relationship cannot be determined
- Q.27 Sara is five ranks below the top student Faiq, in a class of 50 students. What is Sara's rank from the bottom of the class? (DUHS MDCAT 2023)
 A. 5th
 B. 15th
 C. 45th
 D. 55th
- Q.28 Read the following and choose the correct answer: "X, Y and Z are three whole numbers less than 24 but greater than 11. X is the smallest prime number. Y is the largest number divisible by 3. Z is the smallest number divisible by 11? (UHS MDCAT 2024)
 A. X is 13, Y is 24, Z is 11
 B. X is 13, Y is 21, Z is 22
 C. X is 11, Y is 21, Z is 11
 D. X is 11, Y is 24, Z is 22
- Q.29 The high school math department needs to appoint a new chairperson on the basis of seniority.
 Ms. Madiha is less senior than Mr. Tanvir but more than Ms. Aiyza.
 Mr. Rehan is more senior than Ms. Madiha but less than Mr. Tanvir.
 Mr. Tanvir doesn't want the job.
 Who will be the new chairperson of math department? (SZABMU MDCAT 2024)
 A. Mr. Rehan
 B. Mr. Tanvir
 C. Ms. Aiyza
 D. Ms. Madiha
- Q.30 I went 10m to the East from my house, then turned north and walked another 15m, and then I turned west and covered 12m, and then turned south and covered 15m. How far am I from my house? (KMU MDCAT 2024)
 A. 0 m
 B. 1 m
 C. 2 m
 D. 3 m
- Q.31 If $a > b$, $b > c$, and $d > a$ then? (KMU MDCAT 2024)
 A. $b < d$
 B. $a < c$
 C. $b > d$
 D. $c > d$

Q.32 A store offers a 10% discount on all items. After applying the discount, the price of an item is Rs. 450. What was the original price of the item? (KMU MDCAT 2024)

- A. Rs. 490
- B. Rs. 495
- C. Rs. 500
- D. Rs. 505

Q.33 Parveen, Qadir, Rehan, Salim, and Tehmina are five people in a family. If Parveen is the daughter of Qadir, Qadir is the son of Rehan, Rehan is the father of Salim, while Tehmina is the daughter of Parveen, then which of the following is true? (DUHS MDCAT 2022-24)

- A. Rehan is the uncle of Parveen
- B. Rehan is the grandfather of Parveen
- C. Qadir is the daughter of Salim
- D. Parveen is the sister of Tehmina

Direction: (Question 34)

Five cities P, Q, R, S and T are connected by different modes of transport as follows:

- P and Q are connected by boat as well as by rail.
- S and R are connected by bus and by boat.
- Q and T are connected only by air.
- P and R are connected only by boat.
- T and R are connected by rail and by bus.

Q.34 Which mode of transport would help one to reach R starting from Q but without changing mode of transport. (BUMHS MDCAT 2024)

- A. Boat
- B. Rail
- C. Bus
- D. Air

Q.35 Statement 1: A is the brother of B.
Statement 2: B is the daughter of C.
Based on these statements, how is A related to C? (BUMHS MDCAT 2024)

- A. Brother
- B. Son
- C. Father
- D. Daughter

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1	D	6	D	11	C	16	C	21	C	26	D	31	A
2	B	7	A	12	A	17	B	22	B	27	C	32	C
3	B	8	D	13	A	18	D	23	B	28	B	33	B
4	A	9	C	14	C	19	D	24	B	29	A	34	A
5	D	10	C	15	B	20	A	25	B	30	C	35	B

4 TOPIC

COURSE OF ACTION

INTRODUCTION

A course of action is 'a step or administrative decision to be taken for improvement, follow-up or further action in regard to the problem, policy etc., on the basis of the information given in the statement'.

The questions in this section, thus, involve finding the appropriate course of action, considering the problem or policy being talked about in the statement.

In these type of questions, a statement is given followed by two or more courses of action numbered I, II or more. It is required to grasp the statement, analyze the problem or policy it mentions and then decide which of the courses of action logically follow / most appropriate.

Example-1:

Statement

A shopkeeper was reported to be selling adulterated cooking oil.

Courses of action:

- I) He should be fined and seal his shop.
 - II) He should be asked to leave the town.
- A. If only I is most appropriate
B. If only II is most appropriate
C. If either I or II is most appropriate
D. If both I and II are most appropriate

Explanation:

If the shopkeeper is allowed to continue without being punished, the shopkeeper would create problem elsewhere. So, only I follow.

Example-2:

Statement

There is a bank that is sacking its employees because they are facing losses for a few months.

Courses of action:

- I) The bank should provide some additional benefits to the employee such as paying one month's extra salary.
 - II) The State bank of Pakistan should investigate the whole matter.
- A. If only I is most appropriate
B. If only II is most appropriate
C. If either I or II is most appropriate
D. If neither I nor II is most appropriate

Explanation:

The course of action cannot be done by giving them one month's extra salary, instead, the bank should investigate the matter because the root problem is the losses that the bank is facing in the first place.

Example-3:

Statement

Suppose, you witnessed an accident where an old man got hit by a fast-driving car, and he fell down.

Courses of action:

- I) Make him stand well and call the ambulance.
 - II) Ask for help to take him to any nearby hospital for first aid
- A. If only I is most appropriate
B. If only II is most appropriate
C. If either I or II is most appropriate
D. If both I and II are most appropriate

Explanation:

Since both (I) and (II) course of actions are valid and taking either one of them, the problem will be resolved.

Example-4:

Statement

While the workers laying cables underground in XYZ locality, a main pipe supplying water to the houses burst and the locality was flooded.

Courses of action:

- I) The concerned authority should immediately take action and start repairing the damage
 II) The concerned authority should take action against the company whose workers were laying the cables and ask them for compensation.
- A. Only I follows
 B. Only II follows
 C. Either I or II follows
 D. Both I and II follows

Explanation:

Since the locality is getting flooded by water, immediate action should be taken to start repairing. And also the compensation should be asked by the company since its workers did not done their work properly.

Example-5:

Statement

The cricket fans turn anxious regarding tomorrow's match after the metrological department's weather forecast that it may rain tomorrow.

Courses of action:

- I) The cricket match should be postponed to a day when the weather is clear.
 II) The metrological department should not reveal such forecasts before the match to avoid the spread of anxiety among the public.
- A. Only I follows
 B. Only II follows
 C. Neither I nor II follows
 D. Both I and II follows

Explanation:

It is the duty of the metrological department to forecast the weather and it must not be altered in any case. Thus II, is not relevant course of action. Also, the match dates should not be altered on the basis of predictions.

PRACTICE EXERCISE

Q.1 Statement:

The officer Incharge of a company had a hunch that some money was missing from the safe.

Courses of action:

- I) He should get it recounted with the help of the staff and check it with the balance sheet.
 II) He should inform the police.
- A. If only I is most appropriate
 B. If only II is most appropriate
 C. If either I or II is most appropriate
 D. If both I and II are most appropriate

Q.2 Statement:

Japan is not likely to grant Pakistan's request for a \$500 million fast disbursing loan for the current year.

Courses of action:

- I) Pakistan should approach other countries to get a loan.
 II) Pakistan should persuade Japan to grant the loan to meet its immediate demand of foreign exchange.
- A. If only I is most appropriate
 B. If only II is most appropriate
 C. If either I or II is most appropriate
 D. If both I and II are most appropriate

Q.3 Statement:

The Librarian finds some cases in which the pages from certain books issued from the library, are torn.

Courses of action:

- I) The Librarian should keep a record of books issued to each student, and if the pages are found torn, strict measures should be taken against the child who had been issued that book.
 II) Some funds should be collected from the children collectively to renovate the library.
- A. If only I is most appropriate
 B. If only II is most appropriate
 C. If either I or II is most appropriate
 D. If both I and II are most appropriate

Q.4 Statement:

Most of the development plans develop in papers only.

Courses of action:

- I) The incharges should be instructed to supervise the field work regularly.
 II) The supply of paper to such departments should be cut short.
- A. If only I is most appropriate
 B. If only II is most appropriate
 C. If either I or II is most appropriate
 D. If neither I nor II is most appropriate

Q.5 Statement:

The Federal Investigation Agency (FIA) receives the complaint of an officer taking bribe to do the duty he is supposed to.

Courses of action:

- I) FIA should try to catch the officer red-handed and then take a strict action against him.
 II) FIA should wait for some more complaints about the officer to be sure about the matter.
- A. If only I is most appropriate
 B. If only II is most appropriate
 C. If either I or II is most appropriate
 D. If both I and II are most appropriate

Q.6 Statement:

Many medical and engineering graduates are taking up jobs in administrative services and in banks.

Courses of action:

- I) All the professionals should be advised to refrain from taking up such jobs.
 II) The government should appoint a committee to find out the reasons for these professionals taking up such jobs and to suggest remedial measures.
- A. If only I is most appropriate
 B. If only II is most appropriate
 C. If either I or II is most appropriate
 D. If both I and II are most appropriate

Q.7 Statement:

Due to substantial reduction in fares by different airline services, large number of passengers who were travelling by upper classes in trains have switched over to airline services.

Courses of action:

- I) The railways should immediately reduce the fare structure of the upper classes substantially to retain its passengers.
- II) The railways should reduce the capacity of upper classes in all the trains to avoid loss.
- A. If only I is most appropriate
B. If only II is most appropriate
C. If either I or II is most appropriate
D. If both I and II are most appropriate

Q.8 Statement:

In spite of the Principal's repeated warnings, a child was caught exploding crackers secretly in the school.

Courses of action:

- I) All the crackers should be taken away from the child and he should be threatened not to do it again.
- II) The child should be severely punished for his wrong act.
- A. If only I is most appropriate
B. If only II is most appropriate
C. If either I or II is most appropriate
D. If both I and II are most appropriate

Q.9 Statement:

A large number of people in ward X of the city are diagnosed to be suffering from a fatal malaria type. (NMDCAT 2021)

Courses of action:

- I) The city municipal authority should take immediate steps to carry out extensive fumigation in ward X.
- II) The people in the area should be advised to take steps to avoid mosquito bites.
- A. If only I is most appropriate
B. If only II is most appropriate
C. If either I or II is most appropriate
D. If both I and II are most appropriate

Q.10 Statement:

Certain mining industries in Gilgit may come to a standstill because of the notification issued by the Department of Environment and Forest banning mining operations and industries alike within 25kms of National Park, the game sanctuary and reserve forest areas.

Courses of action:

- I) The Department should be asked to immediately withdraw the notification.
- II) The government should make effort to shift the parks, sanctuaries and reserve forests to other non-mining areas.
- A. If only I is most appropriate
B. If only II is most appropriate
C. If neither I nor II is most appropriate
D. If both I and II are most appropriate

Q.11 Statement:

A recent study shows that children below five, die in the cities of the developing countries mainly from diarrhea and parasitic intestinal worms.

Courses of action:

- I) Governments of the developing countries should take adequate measures to improve the hygienic conditions in the cities.
- II) Children below five years in the cities of the developing countries need to be kept under periodic medical check-up.
- A. If only I is most appropriate
B. If only II is most appropriate
C. If either I or II is most appropriate
D. If both I and II are most appropriate

Q.12 Statement:

A large number of people visiting Pakistan from country X have been tested positive for carrying viruses of a killer disease.

Courses of action:

- I) The government of Pakistan should immediately put a complete ban on people coming to Pakistan from country X including those Pakistanis who are settled in country X.
- II) The government of Pakistan should immediately set up detection centres at all its airports and seaports to identify and quarantine those who are tested positive.
- A. If only I is most appropriate
 B. If only II is most appropriate
 C. If either I or II is most appropriate
 D. If neither I nor II is most appropriate

Q.13 Statement:

Courts take too long in deciding important disputes of various departments.

Courses of action:

- I) Courts should be ordered to speed up matters.
- II) Special powers should be granted to officers to settle disputes concerning their department.
- A. If only I is most appropriate
 B. If only II is most appropriate
 C. If either I or II is most appropriate
 D. If both I and II are most appropriate

Q.14 Statement:

Many cases of cholera were reported from a nearby village.

Courses of action:

- I) The question should be raised in the Legislative Assembly.
- II) A team of doctors should be rushed to the village.
- A. If only I follow
 B. If only II follows
 C. If either I or II follows
 D. If neither I nor II follows

Q.15 Statement:

People residing in some tribal areas are far from education.

Courses of action:

- I) Schools for children and adults, should be opened there.
- II) Social workers should be entrusted with the job of educating them.
- A. If only I follow
 B. If only II follows
 C. If either I or II follows
 D. If neither I nor II follows

Q.16 Statement:

The Government has decided not to provide financial support to voluntary organizations from next five-year plan and has communicated that all such organizations should raise funds to meet their financial needs.

Courses of action:

- I) Voluntary organizations should collaborate with foreign agencies.
- II) They should explore other sources of financial support.
- A. If only I follow
 B. If only II follows
 C. If either I or II follows
 D. If both I and II follows

(NMDCAT 2021)

Q.17 Statement:

If the retired Professors of the same Institutes are also invited to deliberate on restructuring of the organization, their contribution may be beneficial to the institute.

Courses of action:

- I) Management may seek opinion of the employees before calling retired professors.
 II) Management should involve experienced people for the systematic restructuring of the organization
- A. If only I follow
 B. If only II follows
 C. If either I or II follows
 D. If both I and II follows

Q.18 Statement:

The Committee has criticized the institute for its failure to implement a dozen of regular programmes despite an increase in the staff strength and not drawing up a firm action plan for studies and research.

Courses of action:

- I) The broad objectives of the Institute should be redefined to implement a practical action plan.
 II) The Institute should give a report on reasons for not having implemented the planned programmes.
- A. If only I follow
 B. If only II follows
 C. If either I or II follows
 D. If both I and II follows

Q.19 Statement:

Mr. X, an active member of the Union, often insults his superiors in the office with his rude behavior.

Courses of action:

- I) He should be transferred to some other department.
 II) The matter should be referred to the Union.
- A. If only I follow
 B. If only II follows
 C. If both I and II follows
 D. If neither I nor II follows

Q.20 Statement:

The killer enteric fever has so far claimed 100 lives in some tribal villages during the past three weeks.

Courses of action:

- I) The residents of these villages should immediately be shifted to a non-infected area.
 II) The Government should immediately send a medical squad to this area, restrict spread of the killer disease.
- A. If only I follow
 B. If only II follows
 C. If either I or II follows
 D. If both I and II follows

Q.21 Statement:

Majority of the students in many schools do not pass in the final examination.

Courses of action:

- I) These schools should be closed down as these have become unproductive.
 II) The teachers of these schools should immediately be retrenched.
- A. If only I follow
 B. If only II follows
 C. If both I and II follows
 D. If neither I nor II follows

Q.22 Statement:

The Kharif crops have been affected by the insects for consecutive three years in the district and the farmers harvested less than fifty percent of produce during these years.

Courses of action:

- I) The farmers should seek measures to control the attack of insects to protect their crops next year.
 - II) The Government should increase the support price of Kharif crops considerably to protect the economic interests of farmers.
- A. If only I follow
 B. If only II follows
 C. If either I or II follows
 D. If both I and II follows

Q.23 Statement:

A large number of people die every year due to drinking polluted water during the summer.

Courses of action:

- I) The government should make adequate arrangements to provide safe drinking water to all its citizens.
 - II) The people should be educated about the dangers of drinking polluted water.
- A. If only I follow
 B. If only II follows
 C. If both I and II follows
 D. If either I or II follows

Q.24 Statement:

The teenager was arrested by the police for taking drugs.

Courses of action:

- I) The teenager should be meted with corporal punishment by the police.
 - II) The teenager should be sent to a drug rehabilitation centre.
- A. If only I follow
 B. If only II follows
 C. If either I or II follows
 D. If both I and II follows

Q.25 Statement:

Floods may create havoc in the country this year too.

Courses of action:

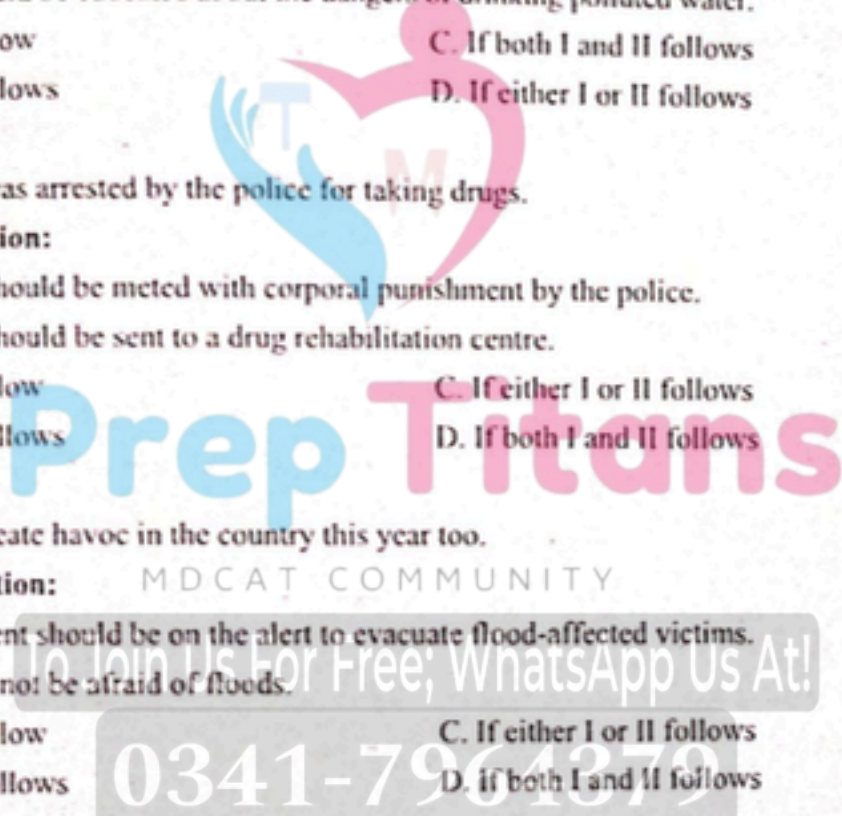
- I) The Government should be on the alert to evacuate flood-affected victims.
 - II) People should not be afraid of floods.
- A. If only I follow
 B. If only II follows
 C. If either I or II follows
 D. If both I and II follows

Q.26 Statement:

Every year, at the beginning or at the end of the monsoons, we have some cases of conjunctivitis, but this year it seems to be a major epidemic witnessed after nearly four years.

Courses of action:

- I) Precautionary measures should be taken after every four years to check this epidemic.
 - II) People should be advised to drink boiled water during rainy season.
- A. If only I follow
 B. If only II follows
 C. If both I and II follows
 D. If neither I nor II follows



Q.27 Statement:

There has been an unprecedented increase in the number of successful candidates in this year's School Leaving Certificate Examination.

Courses of action:

- I) The government should make arrangements to increase number of seats of intermediate courses in existing colleges.
- II) The government should take active steps to open new colleges to accommodate all these successful candidates.
- A. If only I follow
B. If only II follows
C. If either I or II follows
D. If both I and II follows

Q.28 Statement:

Three persons were caught with huge arms and ammunition in the city.

Courses of action:

- I) Police should be instructed for night patrolling.
- II) The three persons should be set free and their movements should be carefully watched to nab the other criminals.
- A. If only I follow
B. If only II follows
C. If either I or II follows
D. If both I and II follows

Q.29 Statement:

There is substantial increase in the number of accidents causing deaths and severe injuries due to malfunctioning of the traffic signals.

Courses of action:

- I) The traffic police should immediately post traffic personnel at the junctions.
- II) The signal system should immediately be repaired or replaced.
- A. If only I follow
B. If only II follows
C. If either I or II follows
D. If both I and II follows

Q.30 Statement:

As many as ten coaches of a passenger train have derailed and blocked both pairs of the railway tracks.

Courses of action:

- I) The railway authorities should immediately send men and equipment to the spot to clear the railway tracks.
- II) All the trains running in both the directions should be diverted to other routes.
- A. If only I follow
B. If both I and II follows
C. If either I or II follows
D. If only II follows

Q.31 Statement:

If you are going to office and getting late and you get a red traffic signal where no traffic personnel is deployed, then what will be the appropriate course of action?

- A. Break the traffic signal so that you could reach on time
B. Take a U-turn for getting another route
C. Wait till signal light turn to green
D. None of these

Q.32 Statement:

The local government has agreed to provide necessary infrastructural facilities to the proposed ABC trust's project of supply of clean water to city 'P'.

Courses of action:

- I) The local government should provide necessary land to the trust by completing due formalities.
 II) The local government should facilitate obtaining electricity and other permissions to the trust.
- A. If only I follow
 B. If only II follows
 C. If either I or II follows
 D. If both I and II follows

Q.33 Statement:

The bike dealer found that there was a great response for the new ABC's bike booking with long queues of people complaining about the duration of business hours and arrangements.

Courses of action:

- I) People should bring lunch and snacks while going for bike ABC's booking and be ready to spend several hours.
 II) Arrangement should be made for more booking desks and increase business hours to serve more people in less time.
- A. If only I follow
 B. If only II follows
 C. If either I or II follows
 D. If both I and II follows

Q.34 Statement:

The vegetable traders feel that the prices of onions will again go up shortly in the state A. (BUMHS 2024)

Courses of action:

- I) The 'A' state government should purchase and store a sufficient quantity of onion in advance to control price.
 II) The 'A' state government should make an available network of fair-price shops for the sale of onions during periods of shortage.
- A. If only I follow
 B. If both I and II follows
 C. If either I or II follows
 D. If only II follows

Q.35 Statement:

The LDA has fixed for the investors a validity period of one year for transfer forms for some of its listed schemes.

Courses of action:

- I) The investors should be duly informed about the validity period.
 II) List of schemes covered under this validity period should be communicated.
- A. If only I follow
 B. If only II follows
 C. If either I or II follows
 D. If both I and II follows

Q.36 Statement:

The condition of NH-5 is too bad because of heavy transportation.

Courses of action:

- I) The government should repair it immediately.
 II) The government should tell the people to use an alternate road.
- A. If only I follow
 B. If only II follows
 C. If either I or II follows
 D. If both I and II follows

Q.42 Statement:

If the faculty members also join the strike, there is going to be a serious problem.

Courses of Action:

- I) The faculty members should be persuaded not to go on strike.
 - II) Those faculty members who join the strike should be suspended.
 - III) The management should not worry about such small things.
- A. All follows
B. Only III follows
C. Only II follows
D. Only I follows

Q.43 Statement:

Sugar mills have said that they will not be able to pay the minimum price fixed by the government for sugarcane for the next season.

Courses of Action:

- I) The government should appoint a committee to look into the matter.
 - II) A notice should be sent to all sugar mill owners to abide by the decision made by the government.
 - III) Disciplinary action should be taken against all those sugar mill owners who are ready to violate the government's decision.
- A. Only I
B. Only II and III
C. Only I and III
D. All I, II and III

Q.44 Statement:

Every year Malaria gets rampant after the rains.

Courses of Action:

- I) Pesticides should be properly sprayed on a regular basis.
 - II) People should be supplied with mosquito nets and mosquito coils free by the government.
 - III) Using various means of media, people should be informed about the methods to be adopted for prevention from these seasonal diseases.
- A. Only I and III follow
B. Only II and III follow
C. Only I and II follow
D. All the three follow

Q.45 Statement:

Many school buses have fitted CNG kit without observing the safety guidelines properly. This results into some instances of these buses catching fire due to short circuit and endangering the lives of the school children.

Course of action:

- I) The regional transport authority should immediately carry out checks all the school buses fitted with CNG kit.
 - II) The management of all the schools should stop hiring buses fitted with CNG kit.
 - III) The government should issue a notification banning school buses for use of CNG kit.
- A. Only I follows
B. Only II follows
C. Only III follows
D. All three follows

Q.46 Statement:

The Company X has rejected first lot of valves supplied by Company A and has cancelled its entire huge order quoting use of inferior quality material and poor craftsmanship.

Courses of Action:

- I) The Company A needs to investigate functioning of its purchase, production and quality control departments
- II) The Company A should inspect all the valves rejected by Company X.
- III) The Company A should inform Company X that steps have been taken for improvement and renegotiate schedule of supply.

A. Only I and II follow

C. II, and either I or III follow

B. Only II follows

D. All I, II and III follow

Q.47 Statement:

(NMDCAT 2021)

The Management of School M has decided to give free breakfast from next academic year to all the students in its primary section through its canteen even though they will not get any government grant.

Courses of Action:

- I) The school will have to admit many poor students who will seek admission for the next academic year.
- II) The canteen facilities and utensils have to be checked and new purchases to be made to equip it properly.
- III) Funds will have to be raised to support the scheme for years to come.

A. Only I follows

C. Only II and III follow

B. Only either I or II follows

D. All follow

Q.48 Statement:

A large number of students are reported to be dropping out of school in villages as their parents want their children to help them in farms.

Courses of Action:

- I) The government should immediately launch a programme to create awareness among the farmers about the value of education.
- II) The government should offer incentives to those farmers whose children remain in schools.
- III) Education should be made compulsory for all children up to the age of 14 and their employment banned.

A. Only I and II follow

C. Only I and III follow

B. Only II and III follow

D. All follow

Q.49 Statement:

Besides looks and appearances, it is also important to develop oneself from within.

Courses of Action:

- I) One should not pay attention to fashion.
- II) One should pay attention to fashion.
- III) Books on self-development should be encouraged.

A. Only I follows

C. Only III follows

B. Only II follows

D. Only I and III follow

Q.50 Statement:

Poverty is increasing because the people, who are deciding how to tackle it, know absolutely nothing about the poor.

Courses of Action:

- I) The decision makers should go to the grass root levels.
 II) The decision makers should come from the poorer sections of the society.
 III) A new set of decision makers should replace the existing one.
- A. Only I follows
 B. Only II follows
 C. Only either I or III follows
 D. All follow

Q.51 Statement:

A large number of tribal inhabitants are found to have been suffering from various diseases due to exposure to radioactive waste near the uranium mine.

Courses of Action:

- I) The Government should immediately close down the mine.
 II) The Government should immediately take steps to save local people from exposure to radioactive waste.
 III) The tribals should be rehabilitated at a safer place.
- A. Only III follow
 B. Only II follow
 C. Only II and III follows
 D. None of these

Q.52 Statement:

There have been many instances of dacoit and looting in many passenger trains this year

Courses of action:

- I) The railway authority should immediately deploy one policeman in each compartment in all the passenger trains.
 II) The passengers travelling by train should be given training on how to tackle with the dacoits and looters.
- A. if only course of action I follows.
 B. if only course of action II follows.
 C. If both I and II
 D. if neither I nor II follows

Q.53 Statement:

Many people living in the slums of western part of the town are diagnosed to be suffering from malaria.

Courses of action:

- I) The municipal corporation should immediately make necessary arrangements to spray mosquito repellent in the affected area.
 II) The municipal authority should immediately make necessary arrangements to provide quick medical help to the affected people.
 III) The municipal authority should take steps to shift all the people staying in the slums of western part of the town to other areas.
- A. Only I follows
 B. Only II follows
 C. Only I and II follow
 D. All I, II and III follow

Q.54 Statement:

It is estimated that about twenty lakh people will visit the city during the ensuing festival.

Courses of Action:

- I) The civic authority should monitor the crowd and restrict entry of the people beyond a manageable number.
- II) The local police authority should be put on high alert to maintain law and order during the festival.
- III) All the hospitals in the city should be put on high alert in case of any eventuality.
- A. Only I and II follow
B. Only II and III follow
C. Only I and III follow
D. All follow

Q.55 Statement:

Nuclear power cannot make a country secure.

Courses of Action:

- I) We must stop further expenses on increasing our nuclear power.
- II) We must destroy our nuclear capability.
- III) We must concentrate on improving our diplomatic relations.
- A. Only I follows
B. Only II follows
C. Only III follows
D. All follow

Q.56 Statement:

The exodus from villages to cities is detrimental to both.

Courses of Action:

- I) Rural postings must be made mandatory.
- II) There should be fewer trains linking cities to smaller places.
- III) Employment generation scheme should be launched in rural areas.
- A. Only II follows
B. Only I and II follow
C. Only III follows
D. Only II and III follow

Q.57 Statement:

The air and rail services have been severely disrupted due to thick fog in the northern part of the country.

Courses of Action:

- I) The rail and air services should be temporarily suspended in the region.
- II) People should be advised to make their travel plan keeping in mind the probable disruption resulting in delay or cancellation of services.
- III) The government should immediately install modern machines which will enable it to guide the rail and air services even if the thick fog develops.
- A. Only II follows
B. Only III follows
C. Only II and III follow
D. All follow

Q.58 Statement:

The meteorological department has reported that a severe storm is likely to hit the city during the next forty-eight hours.

Courses of Action:

- I) The administration should advise all the business and educational establishments to close down for two days.
- II) The administration should not make the information public as it could create panic among the residents of the city.
- III) The administration should activate its disaster management program to tackle any possible emergency situation.

A. Only III follows

C. Only I and III follow

B. Only II and III follow

D. All follow

Q.59 Statement:

The meteorological department has issued a notification forecasting less rainfall during next year's monsoon.

Courses of Action:

- I) The government should immediately set up a water authority for proper management of water resources.
- II) The water supply authorities should be asked to implement reduction in regular water supply to tackle the situation.
- III) The farmers should be advised to cultivate alternate crops which require less water during the coming months.

A. Only I and II follow

C. Only I and III follow

B. Only II and III follow

D. All follow

Q.60 Statement:

Incessant rain for the past several days has posed the problem of overflowing and flood as the river bed is full of silt and mud.

Courses of Action:

- I) The people residing near the river should be shifted to a safe place.
- II) The people should be made aware about the imminent danger over radio/television.
- III) The silt and mud from the river bed should be cleared immediately after the receding of the water level.

A. Only I and III follow

C. Only II and III follow

B. Only I and II follow

D. All follow

ANSWER KEY >>>

1	A	11	D	21	D	31	C	41	C	51	C
2	C	12	B	22	D	32	D	42	D	52	D
3	A	13	D	23	C	33	B	43	A	53	D
4	A	14	B	24	B	34	B	44	A	54	B
5	A	15	A	25	A	35	D	45	A	55	C
6	B	16	B	26	D	36	A	46	A	56	C
7	A	17	B	27	A	37	C	47	C	57	D
8	B	18	D	28	A	38	C	48	D	58	C
9	D	19	D	29	C	39	A	49	C	59	A
10	C	20	B	30	B	40	A	50	C	60	D

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(NMDCAT 2021)

Q.1 **Statement:**
There is substantial increase in the number of accidents causing deaths and severe injuries due to malfunctioning of the traffic signals.

Course of Actions:

I. The traffic police should immediately post traffic personnel at the junctions.

II. The signal system should immediately be repaired or replaced.

A. If only I follow

C. If either I or II follows

B. If only II follow

D. If both I and II follows

(NMDCAT 2021)

Q.2 **Statement:**
A large number of people in ward X of the city are diagnosed to be suffering from a fatal malaria type.

Courses of Actions:

I. The city municipal authority should take immediate steps to carry out extensive fumigation in ward X.

II. The people in the area should be advised to take steps to avoid mosquito bites.

A. Only I follows

C. Either I or II follows

B. Only II follows

D. Both I and II follow

(NMDCAT 2021)

Q.3 **Statement:**
Power Supply in state X is terribly poor.

Course of Actions:

I. WAPDA should urgently take action against power theft.

II. The government should generate more power.

A. If only I is most appropriate

C. If neither I nor II is appropriate

B. If only II is most appropriate

D. Both I and II are appropriate

(NMDCAT 2021)

Q.4 **Statement:**
The sale of a particular product has gone down considerably causing great concern to the company.

Course of Actions:

I. The company should make a proper study of rival products in the market.

II. The price of the product should be reduced and quality improved.

A. If only I is most appropriate

C. If neither I nor II is appropriate

B. If only II is most appropriate

D. Both I and II are appropriate

(NMDCAT 2021)

Q.5 **Statement:**
Every year, at the beginning or at the end of the monsoon we have some cases of conjunctivitis but this year it seems to be a major epidemic witnessed after nearly four year.

Course of Actions:

I. Precautionary measures should be taken after every four years to check this epidemic.

II. People should be advised to drink boiled water during winter season.

A. If only I is most appropriate

C. If neither I nor II is appropriate

B. If only II is most appropriate

D. Both I and II are appropriate

Q.6 Statement:

People residing in some tribal areas are far from education.

Course of Actions:

- I. Government should render all help to the NGOs to open schools there.
- II. A mass awareness programme must be initiated in these areas.
- III. Social workers should be entrusted with the job of educating them.

- A. If only I is most appropriate
- B. If only II is most appropriate
- C. If only III is most appropriate
- D. Both I and II are appropriate

Q.7 Statement

In a specific area of a country an acute famine have appeared

Course of Actions:

- I. Major facilities of water and food should be provided straight away in that area.
- II. Financial support should be given to bothered individuals to the from the Government.

- A. Both of them follows
- B. None of them follows
- C. Only I follow
- D. Only II follows

Q.8 Statement:

The availability of imported fruits has increased in the indigenous market and so the demand for indigenous fruits has been decreased.

Course of Actions:

- I. To help the indigenous producers of fruits, the Government should impose high import duty on these fruits, even if these are not of good quality.
- II. The fruit vendors should stop selling imported fruits. So that the demand for indigenous fruits would be increased.

- A. Both of them follows
- B. None of them follows
- C. Only I follows
- D. Only II follows

Q.9 Statement:

According to reports the children below age 10 are being aggressive because use of mobile phones

Course of Actions:

- I. Parents needs to be strict to their child.
- II. Parents need to be concerned and lemmatize their screening time.

- A. Both of them follows
- B. None of them follows
- C. Only I follows
- D. Only II follows

Q.10 Statement: (NMDCAT 2021)
 The Management of School M has decided to give free breakfast from next academic year to all the students in its primary section through its canteen even though they will not get any government grant.

Courses of Actions:

- I. The school will have to admit many poor students who will seek admission for the next academic year.
- II. The canteen facilities and utensils have to be checked and new purchases to be made to equip it properly.
- III. Funds will have to be raised to support the scheme for years to come.

- A. Only II and III follows
- B. Only III and I follow
- C. Only I and II follow
- D. Only I follows

Q.11 Statement: (NMDCAT 2021)
 There has been an unprecedented increase in the number of successful candidates in this year's School Leaving Certificate Examination.

Course of Actions:

- I. The government should make arrangements to increase number of seats of intermediate courses in existing colleges.
- II. The government should take active steps to open new colleges to accommodate all these successful candidates.

- A. Both of them follows
- B. None of them follows
- C. Only I follow
- D. Only II follows

Q.12 Statement: (NMDCAT 2021)
 A smoker has left smoking suddenly

Course of Actions:

- I. He will feel restlessness and anxiety.
- II. He will start gaining weight

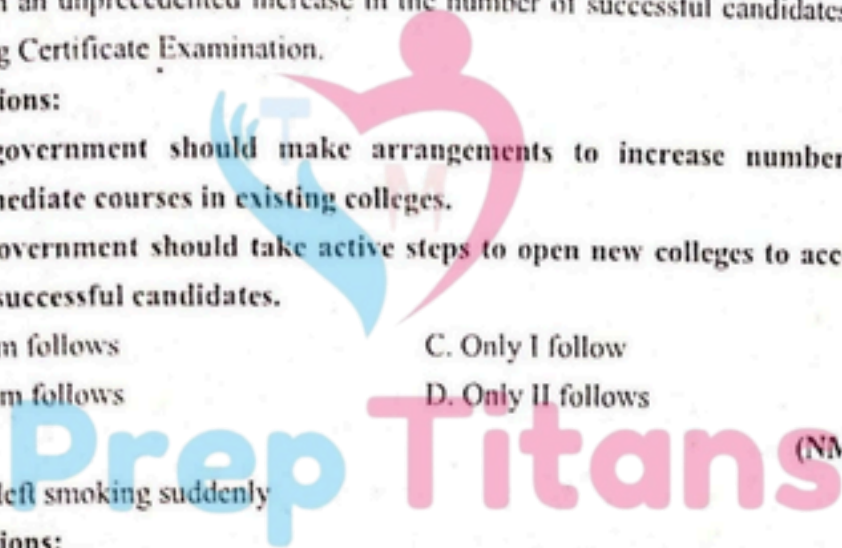
- A. Both of them follows
- B. None of them follows
- C. Only II follows
- D. Only I follows

Q.13 Statement: (NMDCAT 2021)
 The Government has decided not to provide financial support to voluntary organisations from next Five Year Plan and has communicated that all such organisations should raise funds to meet their financial needs.

Course of Actions:

- I. Voluntary organisations should collaborate with foreign agencies.
- II. They should explore other sources of financial support.

- A. Both of them follows
- B. None of them follows
- C. Only I follows
- D. Only II follows



Q.14 Statement:

The management of hospitals are getting worse day by day. The doctors are so confused and they don't even know how to tackle bunch of patients.

(NMDCAT 2021)

Courses of Actions:

- I. Our Government should increase medical seats. So that we can get more doctor every year. In this case the stress on medical staff will increase as well.
- II. The Government should provide and develop strategies for medical staff and hospitals

- A. Both of them follows
- B. None of them follows

- C. Only I follows
- D. Only II follows

Q.15 Statement:

There has been an unprecedented increases in the number of requests for seats in most of the long distance trains during the current holiday season.

(NMDCAT 2021)

Course of Actions:

- I. The people seeking accommodation should be advised to make their travel plan after the holiday.
- II. The railway authority should immediately increase the capacity in each of these trains by attaching additional coaches.

- A. Both of them follows
- B. None of them follows

- C. Only I follows
- D. Only II follows

Q.16 Statement:

The statement there is an unprecedented increase in migration of villagers to urban areas as repeated crop failure has put them into precarious financial situation.

(NMDCAT 2021)

Course of Actions:

- I. The villagers should be provided with alternate source of income in their villages which will make them stay put.
- II. The migrated villagers should be provided with jobs in the urban areas to help them survive. Authority should immediately increase the capacity in each of these trains by attaching additional coaches.

- A. Only I follows
- B. Only II follows

- C. Either I or II follows
- D. Both I and II follows

Q.17 Read the following statement, assuming everything in it to be true. Then decide which of the given suggested courses of action logically follow and are worth pursuing.

Statements:

(UHS MDCAT 2022)

"Aalia wants to sleep but cannot due to regular noise in and around her house every day."

Courses of Action:

- I. Insert good quality noise blockers into her ears.
- II. Take strong sleeping pills."

- A. I
- B. II

- C. Both I and II
- D. Neither I nor II

Q.18 Read the following statement, assuming everything in it to be true. Then decide which of the given suggested courses of action logically follow and are worth pursuing.
(SZABMU MDCAT 2022)

Statements:

My laptop's battery is low and needs to be charged.

Courses of Action:

I. Stop using the laptop to save power.

II. Get a new fully charged battery and replace it with my old one.

A. I

C. Both I and II

B. II

D. Neither I nor II

Q.19 Read the following statement, assuming everything in it to be true. Then decide which of the given suggested courses of action logically follow and are worth pursuing.
(BUMHS MDCAT 2022)

Statement:

An invigilator catches a student trying to cheat for the third time in a professional exam.

Courses of action:

I. Remove the student from the room and cancel his exam attempt.

II. Given the student another stern warning.

A. I

C. Both I and II

B. II

D. Neither I nor II

Q.20 Read the following statement, assuming everything in it to be true. Then decide which of the given suggested courses of action logically follow and are worth pursuing.
(UHS MDCAT 2023)

Statements:

Your toddler drops and breaks a glass by genuine accident.

Courses of Action:

I. Yell at them to be more careful with things made out of glass.

II. Punish them to make sure they remember to be extra careful next time.

A. I

C. Both I and II

B. II

D. Neither I nor II

Q.21 Read the following statement, assuming everything in it to be true. Then decide which of the given suggested courses of action logically follow and are worth pursuing.
(SZABMU MDCAT 2023)

Statements:

Employees are arriving to work more than 5 minutes late every day.

Courses of Action:

I. Impose a strict penalty of half a day's pay every time someone is late.

II. Apply a 15 minutes' buffer. Anyone who is late more than 2 times a month after this buffer period gets docked one day's pay.

A. I

C. Both I and II

B. II

D. Neither I nor II

Q.22 Read the statement and following courses of action carefully. Then select the appropriate options.
(DUHS MDCAT 2023)

Statement:

English language skills of students in XYZ-School are below the town average.

Course of Action:

I. All English language teachers in XYZ school, should be replaced with good ones.

II. All English language teachers in XYZ school, should be provided a training course.

A. The most appropriate approach is (I)

B. The most appropriate approach is (II)

C. Both (i) and (ii) are appropriate approaches

D. None of (i) or (ii) is an appropriate approach

Q.23 Read the following statements and decide about the arguments.

(KMU MDCAT 2023)

Statements:

Does Pakistan need so many plans for development?

Arguments:

- I. Yes. Nothing can be achieved without proper planning.
 - II. No. Too much time, money and energy is wasted on planning.
- A. Only I is True
 B. Only II is True
 C. Either I or II is True
 D. Neither I nor II is True

Q.24 A customer has filed a complaint about your product, stating it does NOT meet his expectation. What is your course of action?
 (SZABMU MDCAT 2024)

- A. Argue with the customer about the validity of their complaint
- B. Customer complaint is not filed within the time limit
- C. Offer a replacement
- D. Tell the customer it's his fault for not using the product correctly

Q.25 Read the statement given, assume it is true, and select the correct course of action: A public sector television channel is worried about the quality of its programs and, considering the competition from several private sector television channels, has decided to provide some incentives in order to attract talent for its programs.
 (DUHS MDCAT 2024)

Course of action:

- I. Public sector television channel has decided to revise its fee structure for artists.
 - II. It should not revise its fee structure until the private sector channels do so.
- A. Both I and II follow
 B. Only I follows
 C. Only II follows
 D. Either I or II follows

Q.26 Statement:

The vegetable traders feel that the prices of onion will again go up.

Courses of Action:

- I. The Government should purchase and store sufficient quantity of onion in advance to control prices.
- II. The Government should make available network of fair price shops for the sale of onions during the period of shortage.

- A. Only I follows
- B. Only II follows
- C. Both I and II follow
- D. Neither I nor II follows

(BUMHS MDCAT 2024)

ANSWER KEY >>>

1	C	6	D	11	C	16	A	21	B	26	C
2	D	7	C	12	D	17	A	22	B		
3	D	8	B	13	D	18	D	23	A		
4	A	9	D	14	D	19	A	24	C		
5	C	10	A	15	D	20	D	25	B		

When examining events, people naturally seek to explain why things happened. This search often results in cause-and-effect reasoning.

WHAT IS CAUSE AND EFFECT?

Cause and effect is a fundamental concept in logic, science, and everyday life. It describes the relationship between two events or actions, where one event (the cause) leads to another event (the effect). This relationship is also known as causality.

Key Components

- I. Cause: The event or action that leads to another event. Also known as the independent variable.
- II. Effect: The event or outcome that results from the cause. Also known as the dependent variable.

Types of Cause and Effect Relationships

- I. Direct Cause and Effect: A clear and direct relationship between the cause and effect.
Example: If you touch a hot stove (cause), you will burn your hand (effect).
- II. Indirect Cause and Effect: A relationship where the cause is not directly linked to the effect.
Example: If you don't study for an exam (cause), you may feel anxious (effect) and perform poorly on the exam.
- III. Chain of Cause and Effect: A series of events where each event is both a cause and an effect.
Example: If you don't water a plant (cause), it will dry out (effect), which can lead to the plant dying (effect).
- IV. Contributory Cause and Effect: A relationship where multiple causes contribute to a single effect.
Example: If you don't exercise regularly (cause) and eat an unhealthy diet (cause), you may develop health problems (effect).
- V. Remote Cause and Effect: A relationship where the cause and effect are separated by time or distance.
Example: If a company pollutes a river (cause), it may lead to health problems for people living downstream (effect) years later.

Identifying Cause and Effect Relationships

To identify cause and effect relationships, ask yourself:

- I. What happened first?
- II. What was the outcome or result?
- III. Is there a clear link between the two events?
- IV. Are there any other factors that could have contributed to the effect?

Real-Life Applications

Understanding cause and effect relationships is crucial in:

- I. Science: To understand natural phenomena and develop theories.
- II. Decision-making: To predict outcomes and make informed decisions.
- III. Problem-solving: To identify root causes and develop effective solutions.
- IV. Business: To understand market trends and make strategic decisions.
- V. Everyday life: To make informed decisions and avoid unintended consequences.

ILLUSTRATIVE EXAMPLES**Example. 1**

- I. Ali never brushes his teeth.
- II. He has five cavities.

Solution:

Clearly, lack of brushing the teeth, leading to a buildup bacteria and plaque, has resulted in five cavities.

Hence, statement-I is cause and statement-II is effect.

Example. 2

- I. People will get good medical attention in city A.
- II. Government has opened two new hospitals in city A in the beginning of the year.

Solution:

Clearly, after opening two new hospitals in the city A resulting an easy access to and quality of medical care for the local population.

Hence, statement-II is the cause and statement-I is the effect.

Example. 3

- I. Amir went home and lay down, suffering from a severe headache.
- II. After eating the spicy food, he clutched his stomach in pain.

Solution:

Clearly, lack of sleep causing headache and spicy food causing stomachache. These statements are not related to each other and effects of some independent causes.

Hence, Both statements are effects of some independent causes.

PRACTICE EXERCISE**Directions:**

In each of the following questions, two statements numbered I and II are given. There may be cause and effect relationship between the two statements. These two statements may be the effect of the same cause or independent causes. These statements may be independent causes without having any relationship. Read the statements in each question and mark your answer as:

- A. If statement I is the cause and statement II is its effect;
- B. If statement II is the cause and statement I is its effect;
- C. If both the statements I and II are independent causes;
- D. If both the statements I and II are effects of independent causes;
- E. If both the statements I and II are effects of some common cause;

Q.1

- I. Past few months, Babar is behaving abnormally.
 - II. Babar's father had taken him to a doctor yesterday.
- A. If statement I is the cause and statement II is its effect;
 - B. If statement II is the cause and statement I is its effect;
 - C. If both the statements I and II are independent causes;
 - D. If both the statements I and II are effects of some common cause;

Q.2

- I. The middle-class society has improved their quality of living constantly in the last few years.
 - II. Economical standards in Pakistan is improving remarkably.
- A. If statement I is the cause and statement II is its effect;
 - B. If statement II is the cause and statement I is its effect;
 - C. If both the statements I and II are independent causes;
 - D. If both the statements I and II are effects of independent causes;

(NMDCAT 2021)

- Q.3
- I. The government has taken the new initiative in which the fee charged by the unaided institutions has been reduced as compared to last year.
 - II. The students have protested against the high fee last year.
- A. If statement I is the cause and statement II is its effect;
B. If statement II is the cause and statement I is its effect;
C. If both the statements I and II are effects of independent causes;
D. If both the statements I and II are effects of some common cause;

- Q.4
- I. The students played football.
 - II. It was the school's inter-house sports day yesterday.
- A. If statement I is the cause and statement II is its effect;
B. If statement II is the cause and statement I is its effect;
C. If both the statements I and II are effects of independent causes;
D. If both the statements I and II are effects of some common cause;

- Q.5
- I. Rehan's English-speaking power is very less.
 - II. Rehan has decided to join English coaching class.
- A. If statement I is the cause and statement II is its effect;
B. If statement II is the cause and statement I is its effect;
C. If both the statements I and II are effects of independent causes;
D. If both the statements I and II are effects of some common cause;

- Q.6
- I. The government has increased the rate of liquefied petroleum gas by 10% from the immediate response.
 - II. The cost of production, maintenance and distribution of LPG is increased by 10% for the government.
- A. If statement I is the cause and statement II is its effect;
B. If statement II is the cause and statement I is its effect;
C. If both the statements I and II are independent causes;
D. If both the statements I and II are effects of some common cause;

- Q.7
- I. Fatima got admitted into one of the top colleges.
 - II. She worked day and night to achieve a good score in the entrance exam.
- A. If statement I is the cause and statement II is its effect;
B. If statement II is the cause and statement I is its effect;
C. If both the statements I and II are independent causes;
D. If both the statements I and II are effects of independent causes;

Q.8

- I. Heavy rains totally flooded the area.
- II. Residents of the area have been moved temporarily to other parts of the city.
- A. If statement I is the cause and statement II is its effect;
- B. If statement II is the cause and statement I is its effect;
- C. If both the statements I and II are effects of independent causes;
- D. If both the statements I and II are effects of some common cause;

Q.9

- I. It is the aim of the city's civic authority to get the air pollution reduced by 20% in the next two months.
- II. The number of asthma cases in the city is constantly increasing.
- A. If statement I is the cause and statement II is its effect;
- B. If statement II is the cause and statement I is its effect;
- C. If both the statements I and II are independent causes;
- D. If both the statements I and II are effects of some common cause;

Q.10

- (NMDCAT 2021)
- I. The university authority has instructed all the colleges under its jurisdiction to ban use of all phones inside the college premises.
- II. Majority of the teachers of the colleges signed a joint petition to the university complaining the disturbances caused by cell phone ring-tones inside the classrooms.
- A. If statement I is the cause and statement II is its effect;
- B. If statement II is the cause and statement I is its effect;
- C. If both the statements I and II are effects of independent causes;
- D. If both the statements I and II are effects of some common cause;

Q.11

- (NMDCAT 2021)
- I. The performance of most of the students in final exam of class X in the school run by the Government was excellent.
- II. Many teachers of the Government schools left the school and joined private schools.
- A. If statement I is the cause and statement II is its effect;
- B. If statement II is the cause and statement I is its effect;
- C. If both the statements I and II are independent causes;
- D. If both the statements I and II are effects of independent causes;

Q.12

- (NMDCAT 2021)
- I. The farmers have decided against selling their kharif crops to the Government agencies.
- II. The Government has reduced the procurement price of kharif crops starting from last month to the next six months.
- A. If statement I is the cause and statement II is its effect;
- B. If statement II is the cause and statement I is its effect;
- C. If both the statements I and II are independent causes;
- D. If both the statements I and II are effects of some common cause;

(NMDCAT 2021, SZABMU MDCAT 2023)

Q.13

There is sharp decline in the production of oil seeds this year.

- I. The Government has decided to increase the import quantum of edible oil.
- II. A. If statement I is the cause and statement II is its effect;
 B. If statement II is the cause and statement I is its effect;
 C. If both the statements I and II are independent causes;
 D. If both the statements I and II are effects of some common cause;

Q.14

All the schools in the area had to be kept closed for most part of the week.

- I. Many parents have withdrawn their children from the local schools.
- II. A. If statement I is the cause and statement II is its effect;
 B. If both the statements I and II are independent causes;
 C. If both the statements I and II are effects of independent causes;
 D. If both the statements I and II are effects of some common cause;

(NMDCAT 2021)

Q.15

The Government has imported large quantities of sugar as per trade agreement with other countries.

- I. The prices of sugar in the domestic market have fallen sharply in the recent months.
- II. A. If statement I is the cause and statement II is its effect;
 B. If statement II is the cause and statement I is its effect;
 C. If both the statements I and II are independent causes;
 D. If both the statements I and II are effects of independent causes;

(NMDCAT 2021)

Q.16

There has been an increase in the underground water level column at all places in Lahore due to the last year's monsoon rains.

- I. Most of the trains were cancelled last year due to water-logging on the tracks.
- II. A. If statement I is the cause and statement II is its effect;
 B. If statement II is the cause and statement I is its effect;
 C. If both the statements I and II are effects of independent causes;
 D. If both the statements I and II are effects of some common cause;

(NMDCAT 2021)

Q.17

Majority of the students in the college expressed their opinion against the college authority's decision to break away from the university and become autonomous.

- II. The university authorities have expressed their inability to provide grants to its constituent colleges.
- A. If statement I is the cause and statement II is its effect;
 B. If statement II is the cause and statement I is its effect;
 C. If both the statements I and II are independent causes;
 D. If both the statements I and II are effects of independent causes;

Q.18

- I. For the past few months, the prices of spices have not been changed in the domestic market.
- II. For the past few months, the prices of spices have gone up substantially in the international market.
- A. If statement I is the cause and statement II is its effect;
- B. If statement II is the cause and statement I is its effect;
- C. If both the statements I and II are independent causes;
- D. If both the statements I and II are effects of independent causes;

Q.19

- I. Large number of people have fallen sick after consuming food in a marriage party in Sialkot.
- II. Major part of the locality of Sialkot is flooded due to a weeklong rain and has become inaccessible.
- A. If statement I is the cause and statement II is its effect;
- B. If both the statements I and II are independent causes;
- C. If both the statements I and II are effects of independent causes;
- D. If both the statements I and II are effects of some common cause;

Q.20

- I. Today's life of IT professionals is hectic, fast, demanding and result oriented so, it leads to a stressful situation.
- II. Whether it is IT professionals or in any other profession, heart disease is increasing day by day.
- A. If statement I is the cause and statement II is its effect;
- B. If both the statements I and II are independent causes;
- C. If both the statements I and II are effects of independent causes;
- D. If both the statements I and II are effects of some common cause;

Q.21

- I. The Punjab University has instructed all the colleges under its jurisdiction to ban smoking inside the college premises as well as in the hostels.
- II. Majority of the parents signed a joint petition and are complaining against the open environment for students in colleges.
- A. If statement I is the cause and statement II is its effect;
- B. If statement II is the cause and statement I is its effect;
- C. If both the statements I and II are independent causes;
- D. If both the statements I and II are effects of independent causes;

Q.22

- I. Majority of Karachi citizens have decided to protest against the construction of a government office instead of a park.
- II. There are no parks in that locality.
- A. If statement I is the cause and statement II is its effect;
- B. If statement II is the cause and statement I is its effect;
- C. If both the statements I and II are independent causes;
- D. If both the statements I and II are effects of some common cause;

Topic - 5

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Q.23

- I. Commissionerate police Karachi has decided to increase patrolling in the evening times.
II. In Karachi, the number of incidents of petty crimes like theft has been decreased.
- A. If statement I is the cause and statement II is its effect;
B. If statement II is the cause and statement I is its effect;
C. If both the statements I and II are effects of independent causes;
D. If both the statements I and II are effects of some common cause;

Q.24

- I. Special tax package has been announced for the new industries by the state government.
II. The state government had hiked different taxes for all industrial activities in the state last year.
- A. If statement I is the cause and statement II is its effect;
B. If statement II is the cause and statement I is its effect;
C. If both the statements I and II are independent causes;
D. If both the statements I and II are effects of independent causes;

Q.25

- I. "Henceforth; no farmer will be given immediate credit"- Said the local credit cooperative society chairman.
II. From the society fund, many partners have withdrawn their amount of money.
- A. If statement I is the cause and statement II is its effect;
B. If statement II is the cause and statement I is its effect;
C. If both the statements I and II are independent causes;
D. If both the statements I and II are effects of some common cause;

Q.26

- I. Despite mere infrastructure, Mirpur has produced some great talents in athletics.
II. By seeing the talent, the union cabinet has proposed to build a sports university in Mirpur.
- A. If statement I is the cause and statement II is its effect;
B. If statement II is the cause and statement I is its effect;
C. If both the statements I and II are effects of independent causes;
D. If both the statements I and II are effects of some common cause;

Q.27

- I. In local area, many people have been affected with dengue.
II. Doctors have decided to close their private clinic for few days.
- A. If statement II is the cause and statement I is its effect;
B. If both the statements I and II are independent causes;
C. If both the statements I and II are effects of independent causes;
D. If both the statements I and II are effects of some common cause;

Q.28

- I. Recently Punjab government has reduced the tuition fee structure of engineering colleges under UET.
- II. Due to high fee structure and low placement, the number of students enrolling in engineering is being reduced day by day.
- A. If statement I is the cause and statement II is its effect;
B. If statement II is the cause and statement I is its effect;
C. If both the statements I and II are independent causes;
D. If both the statements I and II are effects of some common cause;

Q.29

- I. On December 9, The Punjab Government has proposed to close all schools, colleges, and universities from December 15 for one month due to smog.
- II. On December 10, The M1 Motorway from Peshawar to Islamabad has been closed to all types of traffic as fog still prevails over the fields of Pakistan.
- A. If statement I is the cause and statement II is its effect;
B. If statement II is the cause and statement I is its effect;
C. If both the statements I and II are effects of some common causes;
D. If both the statements I and II are effects of independent causes;

Q.30

- I. Tom was not granted a visa to the UK.
- II. Tom's flight to Manchester was delayed by at least 10 hours.
- A. If statement I is the cause and statement II is its effect;
B. If both the statements I and II are independent causes;
C. If both the statements I and II are effects of independent causes;
D. If both the statements I and II are effects of some common cause;

Q.31

- I. John's movie has crossed the 300 crores mark at the box-office.
- II. His movie is nominated for the Oscars.
- A. If statement I is the cause and statement II is its effect;
B. If both the statements I and II are independent causes;
C. If both the statements I and II are effects of independent causes;
D. If both the statements I and II are effects of some common cause;

Q.32

- I. There is a sharp decline in the production of rice this season.
- II. The government has decided to increase the import of rice.
- A. If statement I is the cause and statement II is its effect;
B. If statement II is the cause and statement I is its effect;
C. If both the statements I and II are independent causes;
D. If both the statements I and II are effects of independent causes;

(NMDCAT 2021)

- Q.33
- I. Saim's car wouldn't start on the morning of his important meeting.
 II. He called a garage to have someone come and fix it
- A. If statement I is the cause and statement II is its effect;
 B. If statement II is the cause and statement I is its effect;
 C. If both the statements I and II are independent causes;
 D. If both the statements I and II are effects of some common cause;

- Q.34
- I. People ran for their cars
 II. It had suddenly begun to rain heavily
- A. If statement I is the cause and statement II is its effect;
 B. If statement II is the cause and statement I is its effect;
 C. If both the statements I and II are effects of independent causes;
 D. If both the statements I and II are effects of some common cause;

- Q.35
- I. The government funded new public works programs in Pakistan
 II. Many new jobs were created in Pakistan.
- A. If statement I is the cause and statement II is its effect;
 B. If both the statements I and II are independent causes;
 C. If both the statements I and II are effects of independent causes;
 D. If both the statements I and II are effects of some common cause;

- Q.36
- I. It had been received 8 inches of rain in four hours in Lahore.
 II. The underpass was flooded in Lahore.
- A. If statement I is the cause and statement II is its effect;
 B. If statement II is the cause and statement I is its effect;
 C. If both the statements I and II are effects of independent causes;
 D. If both the statements I and II are effects of some common cause;

- Q.37
- I. Cars needed more time to stop.
 II. The Streets were snow-packed and icy.
- A. If statement I is the cause and statement II is its effect;
 B. If statement II is the cause and statement I is its effect;
 C. If both the statements I and II are independent causes;
 D. If both the statements I and II are effects of some common cause;

- Q.38
- I. Zain was driving 70 m.p.h in 35 mile per hour zone.
 II. Zain got a speeding ticket.
- A. If statement I is the cause and statement II is its effect;
 B. If statement II is the cause and statement I is its effect;
 C. If both the statements I and II are independent causes;
 D. If both the statements I and II are effects of independent causes;

Q.39

- I. Ayyan is an intelligent boy.
II. His younger brother is not intelligent but brave
- A. If statement I is the cause and statement II is its effect;
B. If statement II is the cause and statement I is its effect;
C. If both the statements I and II are independent causes;
D. If both the statements I and II are effects of independent causes;

Q.40

- I. Many seats in the private engineering colleges in the state have remained vacant this year.
II. The government engineering colleges in the state could not accommodate all the students who sought admission this year.
- A. If statement I is the cause and statement II is its effect;
B. If statement II is the cause and statement I is its effect;
C. If both the statements I and II are effects of independent causes;
D. If both the statements I and II are effects of some common cause;

Q.41

- I. There is a possibility of snowfall in Kashmir in next 48 hours.
II. The handlooms industries in Kashmir increased their production by 50%.
- A. If statement I is the cause and statement II is its effect;
B. If statement II is the cause and statement I is its effect;
C. If both the statements I and II are effects of independent causes;
D. If both the statements I and II are effects of some common cause;

Q.42

- I. Many employees of the company proceeded on a day's leave on Friday.
II. Both Thursday and Saturday were declared holiday by the company.
- A. If statement I is the cause and statement II is its effect;
B. If statement II is the cause and statement I is its effect;
C. If both the statements I and II are independent causes;
D. If both the statements I and II are effects of some common cause;

Q.43 What is the effect? Waleed worked hard all day at his job so

- A. He had nothing to do at home.
B. He worked in a law office
C. He liked to work long hours
D. He was very tired in the evening

Q.44

- I. The prices of fruits and vegetables fell substantially over the last few days.
II. The quality of fruits and vegetables improved considerably over the last few days.
- A. If statement I is the cause and statement II is its effect;
B. If both the statements I and II are independent causes;
C. If both the statements I and II are effects of independent causes;
D. If both the statements I and II are effects of some common cause;

Q.45 The Government has made it compulsory to wear a helmet for the riders of two-wheelers.
 I. The number of cases of road accident involving two-wheelers has been increasing every year.

- II. A. If statement I is the cause and statement II is its effect;
 B. If statement II is the cause and statement I is its effect;
 C. If both the statements I and II are independent causes;
 D. If both the statements I and II are effects of some common cause;

Q.46 Government has recently decided to hike the procurement price of paddy for the rabi crops.
 Which of the following will be a positive effect of the above cause?

- A. The farmers may be encouraged to cultivate paddy for the rabi season
 B. The farmers may switch over to other cash crops in their paddy fields
 C. There was a drop in production of paddy during Kharif season
 D. Government may not increase the procurement price of paddy during the next Kharif season

Q.47 All the major rivers in the state have been flowing way over the danger level for the past few weeks.

Which of the following is/are possible effect(s) of the above-cause?

- A. Many villages situated near the riverbanks are submerged, forcing the residents to flee.
 B. Government has decided to provide alternate shelter to all the affected villagers residing near the river banks.
 C. The entire state has been put on high flood alert.

- A. Only (A) C. Only (B) and (C)
 B. Only (A) and (B) D. All (A), (B) and (C)

Q.48 This year majority of the final year students of the management institute have opted for finance specialization.

Which of the following can be a probable cause of the above effect?

- A. Last year most of the students with HR specialization got better job offers than other specializations
 B. The management institute offers only finance specialization to its final year students
 C. Last year the students with finance specialization bagged most of the lucrative offer as compared to students with other specializations
 D. The management institute has recently started its finance specialization in addition to Marketing and HR being offered earlier.

Q.49 School authority has increased the tuition fee excessively from the current academic session.

Which of the following can be a possible effect of the cause mentioned above?

- I. Parents of the students of this school will get their child admitted to other schools.
 II. No new student will get admission in this academic session.
 III. Parents of the students of this school will contact the school authority for the rollback of the increased fee.

- A. None C. Only III
 B. Only II D. Only I

- Q.50 What is the cause? Melissa was promoted to a better-paying position
- A. Because she was an excellent worker
 - B. Because she was often late or absent
 - C. Because she went on vacation to Europe
 - D. Because she asked for help so often

ANSWER KEY >>

1	A	11	D	21	B	31	D	41	A
2	A	12	B	22	B	32	A	42	B
3	B	13	A	23	A	33	A	43	D
4	A	14	C	24	B	34	B	44	C
5	A	15	A	25	B	35	A	45	B
6	B	16	D	26	A	36	A	46	A
7	B	17	B	27	C	37	B	47	D
8	A	18	D	28	B	38	A	48	C
9	B	19	C	29	D	39	C	49	C
10	B	20	D	30	C	40	C	50	A

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Q.1 Statements:

- I. The prices of petrol and diesel in the domestic market have remained unchanged for the past few months.
- II. The crude oil prices in the international market have gone up substantially in the last few months.

- A. Statement I is the cause and statement II is its effect
B. Statement II is the cause and statement I is its effect
C. Both the statements I and II are independent causes
D. Both the statements I and II are effects of independent causes

(NMDCAT 2021)

Q.2 Statements:

- I. Our country is facing economic crisis.
- II. The country is showing sign of poverty.

- A. If statement I is the cause and statement II is its effect
B. If statement II is the cause and statement I is its effect
C. If both the statements I and II are independent causes
D. If both the statements I and II are effects of some common cause

(NMDCAT 2021)

Q.3 Statements:

- I. All the sweets were rotten.
- II. Many people got sick after eating sweets from local shop.

- A. If statement I is the cause and statement II is its effect
B. If statement II is the cause and statement I is its effect
C. If both the statements I and II are effects of independent causes
D. If both the statements I and II are effects of some common cause

(NMDCAT 2021)

Q.4 Statements:

- I. The number of computer's owner have increased.
- II. The computer education is necessary in primary and secondary schools.

- A. If statement I is the cause and statement II is its effect
B. If statement II is the cause and statement I is its effect
C. If both the statements I and II are effects of independent causes
D. If both the statements I and II are effects of some common cause

(NMDCAT 2021)

Q.5 Statements:

- I. The art gallery will be closed for two weeks.
- II. The art gallery is under renovation.

- A. If statement I is the cause and statement II is its effect
B. If statement II is the cause and statement I is its effect
C. If both the statements I and II are effects of independent causes
D. If both the statements I and II are effects of some common cause

Q.6 Statements:

- I. The university graduate claims that it is hard to find a job in this era.
- II. There is a ratio of unemployment on a large scale.
 - A. If statement I is the cause and statement II is its effect
 - B. If statement II is the cause and statement I is its effect
 - C. If both the statements I and II are independent causes
 - D. If both the statements I and II are effects of some common cause

Q.7 Statements:

- I. There has been opposition by the protestors over the government's decision of removal of subsidy on fertilizers.
- II. The government has decided to remove subsidy on some of the items to bring a reform to the economy.
 - A. If statement I is the cause and statement II is its effect
 - B. If statement II is the cause and statement I is its effect
 - C. If both the statements I and II are independent causes
 - D. If both the statements I and II are effects of some common cause

Q.8 Statements:

- I. The private medical colleges have increased the tuition fees in the current year by 200 per cent over the last year's fees to meet the expenses.
- II. The Government medical colleges have not increased their fees in spite of price escalation.
 - A. If statement I is the cause and statement II is its effect
 - B. If statement II is the cause and statement I is its effect
 - C. If both the statements I and II are independent causes
 - D. If both the statements I and II are effects of independent causes

Q.9 Statements:

- I. The police authority has recently caught a group of house breakers.
- II. The citizens group in the locality have started night vigil in the area.
 - A. Statement I is the cause and statement II is its effect
 - B. Statement II is the cause and statement I is its effect
 - C. Both the statements I and II are independent causes
 - D. Both the statements I and II are effects of some common cause

Q.10 Statements:

- I. Large number of people living in the low-lying areas has been evacuated during the last few days to safer places.
- II. The Government has rushed in relief supplies to the people living in the affected areas.
 - A. Statement I is the cause and statement II is its effect
 - B. Both the statements I and II are independent causes
 - C. Both the statements I and II are effects of independent causes
 - D. Both the statements I and II are effects of some common cause

(NMDCAT 2021)

Q.11 Statement:

I. The school authority has asked the FSc students to attend special classes to be conducted on Sundays.

II. The parents of the FSc students have withdrawn their wards from attending private tuitions conducted on Sundays

- A. Statement I is the cause and statement II is its effect
- B. Statement II is the cause and statement I is its effect
- C. Both the statements I and II are independent causes
- D. Both the statements I and II are effects of some common cause

Q.12 Statement:

(NMDCAT 2021)

I. There is unprecedented increase in the number of young unemployed in comparison to the previous year.

II. A large number of candidates submitted applications against an advertisement for the post of manager issued by a bank.

- A. Statement I is the cause and statement II is its effect
- B. Statement II is the cause and statement I is its effect
- C. Both statements I and II are independent causes
- D. Both statements I and II are the effects of independent cause

Q.13 Statement:

(NMDCAT 2021)

I. There has been a decline in the prices of the personal computers.

II. School going kids are expressing interests in learning how the computer operates.

- A. Statement I is the cause and statement II is its effect
- B. Statement II is the cause and statement I is its effect
- C. Both statements I and II are independent causes
- D. Both statements I and II are the effects of independent cause

Q.14 Statement:

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(NMDCAT 2021)

I. Majority of the citizens in the locality belongs to higher income group.

II. The sales in the local supermarket are comparatively much higher than in other localities.

- A. Statement I is the cause and statement II is its effect
- B. Statement II is the cause and statement I is its effect
- C. Both statements I and II are independent causes
- D. Both statements I and II are the effects of independent cause

Q.15 Statements:

(NMDCAT 2021)

I. Large number of Primary Schools in the rural areas is run by only one teacher.

II. There has been a huge dropout from the primary schools in rural areas.

- A. Statement I is the cause and statement II is its effect
- B. Statement II is the cause and statement I is its effect
- C. Both statements I and II are independent causes
- D. Both statements I and II are the effects of independent cause

(NMDCAT 2021)

Q.16 Statements

- I. The children are being aggressive today.
 - II. There is no specific limit for children to use mobile screens
- A. Statement I is the cause and statement II is the effect
 - B. Statement II is the cause and statement I is the effect
 - C. Both statements I and II are independent causes
 - D. Both statements I and II are the effects of some common cause

Q.17 Statements:

(NMDCAT 2021)

- I. She topped in her college
 - II. She is hard-working
- A. Statement I is the cause and statement II is its effect
 - B. Statement II is the cause and statement I is its effect
 - C. Both statements I and II are independent causes
 - D. Both statements I and II are the effects of independent causes

Q.18 Statement:

(NMDCAT 2021)

- I. The life today is too fast, demanding and full of variety in all aspects which at times leads to stressful situations.
 - II. Number of suicide cases among teenagers is on increase.
- A. Statement I is the cause and statement II is its effect
 - B. Statement II is the cause and statement I is its effect
 - C. Both statements I and II are effects of some common causes
 - D. Both statements I and II are the effects of independent causes

Q.19 Statements: MDCAT COMMUNITY

(NMDCAT 2021)

- I. There are orders by the high court to clean Karachi.
 - II. More than 500 people died in Karachi due to land pollution.
- A. Statement I is the cause and statement II is its effect
 - B. Statement II is the cause and statement I is its effect
 - C. Both statements I and II are independent causes
 - D. Both statements I and II are the effects of independent causes

Q.20 Statement

(NMDCAT 2021)

- I. The new program has been introduced with ordeal.
 - II. The government has announced a plan on the creation of the TV programs
- A. Statement I is the cause and statement II is its effect
 - B. Statement II is the cause and statement I is its effect
 - C. Both statements I and II are independent causes
 - D. Both statements I and II are the effects of independent causes

- Q.21 Statement: (NMDCAT 2021)
- I. Most of the steel producing companies in the country have made considerable profit during the last financial year.
- II. Many Asian countries have been importing huge quantities of steel from Pakistan.
- A. Statement I is the cause and statement II is its effect
B. Statement II is the cause and statement I is its effect
C. Both statements I and II are independent causes
D. Both statements I and II are the effects of independent causes
- Q.22 Statements: (NMDCAT 2021)
- I. He has got cavity in his tooth
- II. He eats too much chocolates
- A. Statement I is the cause and statement II is its effect
B. Statement II is the cause and statement I is its effect
C. Both statements I and II are independent causes
D. Both statements I and II are the effects of independent causes
- Q.23 Statements: (NMDCAT 2021)
- I. The government has decided to roll back the hike in the prices of cooking gas and kerosene.
- II. Some minister had resigned in protest against the hike in prices of cooking gas and other petroleum products.
- A. I is cause and II is effect
B. II is cause and I is effect
C. Both are independent causes
D. Both are effects of independent causes
- Q.24 Statement: (NMDCAT 2021)
- I. The government has decided to make all the information related to primary education available to the general public.
- II. In the past, the general public did not have access to all these information related to primary education.
- A. Statement I is the cause and statement II is its effect
B. Statement II is the cause and statement I is its effect
C. Both statements I and II are independent causes
D. Both statements I and II are the effects of independent causes
- Q.25 Statements: (NMDCAT 2021)
- I. The department of finance has levied more taxes.
- II. The economic shortfall of the country has slashed.
- A. Statement I is the cause and statement II is its effect
B. Statement II is the cause and statement I is its effect
C. Both statements I and II are independent causes
D. Both statements I and II are the effects of independent causes

Q.26 Statements

(NMDCAT 2021)

- I. Many people prefer to shop at the big retail chains than the local grocery stores.
 - II. Retail chains offer discount of more than 25% as compared to local grocery shops.
- A. I is cause and II is effect
 - B. II is cause and I is effect
 - C. Both are independent causes
 - D. Both are effects of independent causes

Q.27 Statements

(NMDCAT 2021)

- I. The student was expelled from the school.
 - II. He was found using the drugs.
- A. Statement I is the cause and statement II is its effect
 - B. Statement II is the cause and statement I is its effect
 - C. Both statements I and II are independent causes
 - D. Both statements I and II are the effects of independent cause

Q.28 Statements:

(NMDCAT 2021)

- I. The PIC doctors are on a strike.
 - II. The patient has died in PIC, due to non-availability of the doctor for the check-up.
- A. Statement I is the cause and statement II is its effect.
 - B. Statement II is the cause and statement I is its effect.
 - C. Both statement I and II are the effects of independent causes
 - D. Both statement I and II are effects of some common cause

Q.29 Statements:

(NMDCAT 2021)

- I. The construction of dams has created an obstruction in migration of the animals
 - II. The animals of Amazon have turned into ferocious beasts, that are damaging the property as well as a threat for the lives of people.
- A. Statement I is the cause and statement II is its effect.
 - B. Statement II is the cause and statement I is its effect.
 - C. Both statements I and II are independent causes
 - D. Both are effects of independent causes

Q.30

(NMDCAT 2021)

- I. The middle-class society has improved their quality of living constantly in the last few years
 - II. Economical standards in Pakistan is improving remarkably.
- A. If statement I is the cause and statement II is its effect;
 - B. If statement II is the cause and statement, I is its effect;
 - C. If both the statements I and II are independent causes;
 - D. If both the statements I and II are effects of independent causes;

(NMDCAT 2021)

- Q.31
- I. The university authority has instructed all the colleges under its jurisdiction to ban use of all phones inside the college premises.
- II. Majority of the teachers of the colleges signed a joint petition to the university complaining the disturbances caused by cell phone ring-tones inside the classrooms.
- A. If statement I is the cause and statement II is its effect;
B. If statement II is the cause and statement, I is its effect;
C. If both the statements I and II are effects of independent causes;
D. If both the statements I and II are effects of some common cause;

(NMDCAT 2021)

- Q.32
- I. The performance of most of the students in final exam of class X in the school run by the Government was excellent.
- II. Many teachers of the Government schools left the school and joined private schools.
- A. If statement I is the cause and statement II is its effect;
B. If statement II is the cause and statement, I is its effect;
C. If both the statements I and II are independent causes;
D. If both the statements I and II are effects of independent causes;

(NMDCAT 2021)

- Q.33
- I. The farmers have decided against selling their kharif crops to the Government agencies.
- II. The Government has reduced the procurement price of kharif crops starting from last month to the next six months.
- A. If statement I is the cause and statement II is its effect;
B. If statement II is the cause and statement, I is its effect;
C. If both the statements I and II are independent causes;
D. If both the statements I and II are effects of some common cause;

(NMDCAT 2021, SZABMU MDCAT 2023)

- Q.34
- I. There is sharp decline in the production of oil seeds this year.
- II. The Government has decided to increase the import quantum of edible oil.
- A. If statement I is the cause and statement II is its effect;
B. If statement II is the cause and statement, I is its effect;
C. If both the statements I and II are independent causes;
D. If both the statements I and II are effects of some common cause;

(NMDCAT 2021)

- Q.35
- I. All the schools in the area had to be kept closed for most part of the week.
- II. Many parents have withdrawn their children from the local schools.
- A. If statement I is the cause and statement II is its effect;
B. If both the statements I and II are independent causes;
C. If both the statements I and II are effects of independent causes;
D. If both the statements I and II are effects of some common cause;

Q.36

(NMDCAT 2021)

- I. The Government has imported large quantities of sugar as per trade agreement with other countries.
- II. The prices of sugar in the domestic market have fallen sharply in the recent months.
- A. If statement I is the cause and statement II is its effect;
- B. If statement II is the cause and statement, I is its effect;
- C. If both the statements I and II are independent causes;
- D. If both the statements I and II are effects of independent causes;

Q.37

(NMDCAT 2021)

- I. Majority of the students in the college expressed their opinion against the college authority's decision to break away from the university and become autonomous.
- II. The university authorities have expressed their inability to provide grants to its constituent colleges.
- A. If statement I is the cause and statement II is its effect;
- B. If statement II is the cause and statement, I is its effect;
- C. If both the statements I and II are independent causes;
- D. If both the statements I and II are effects of independent causes;

Q.38

(NMDCAT 2021)

- I. There is a sharp decline in the production of rice this season.
- II. The government has decided to increase the import of rice.
- A. If statement I is the cause and statement II is its effect;
- B. If statement II is the cause and statement, I is its effect;
- C. If both the statements I and II are independent causes;
- D. If both the statements I and II are effects of independent causes;

Q.39 Statements:

(NMDCAT 2021, UHS MDCAT 2022)

- I. The literacy rate in the district has been increasing.
- II. The district administration has conducted extensive training program for the workers involved in the literacy drive.
- A. Statement I is the cause and statement II is its effect.
- B. Statement II is the cause and statement I, is its effect
- C. Both statements I and II are independent causes
- D. Both the statements I and II are effects of independent cause

Q.40 Statements:

(SZABMU MDCAT 2022, UHS MDCAT 2024)

- I. The government has increased the taxes on all businesses in Pakistan.
- II. Many small businesses will have to close their operations in Pakistan.
- A. Statement I is the cause and statement II is its effect.
- B. Statement II is the cause and statement I is its effect.
- C. Both the statements I and II are independent causes
- D. Both the statements I and II are effects of independent causes.

- Q.41 Read the following statements and identify the best cause and effect relation. (UHS MDCAT 2023)
- I. State P started providing multiple rehabilitation schemes, like free education, jobs search help and help groups for addicts, etc. over the past year.
- II. Crimes rates for state P have steadily decreased over the past year.
- A. II is the cause and I is its effect
 B. I is the cause and II is its effect
 C. I and II are effects of some common cause
 D. I and II are both effects of independent causes
- Q.42 Statements: (KMU MDCAT 2023)
- I. Importance of yoga and exercise is being realized by all sections of the society.
- II. There is an increasing awareness about health in the society particularly among middle ages group of people.
- A. Statement I is the cause and statement II is its effect
 B. Statement II is the cause and statement I is its effect
 C. Both the statement I and II are independent causes
 D. Both the statement I and II are effects of independent causes
- Q.43 Read the two statements carefully and then choose the best from the options follow. (DUHS MDCAT 2023)
- I. It was raining cats and dogs.
- II. The football match was cancelled.
- A. Statement I is the cause and statement II is its effect.
 B. Statement II is the cause and statement I is its effect.
 C. Both the statements I and II are independent.
 D. Both the statements I and II are effects of independent causes.
- Q.44 Read the following statements and identify the best cause-and-effect relation: (KMU MDCAT 2024)
- I. Sara's productivity at work has significantly decreased over the past month.
- II. Sara has been experiencing frequent interruptions due to ongoing construction work near her office.
- Which of the following best describes the cause-and-effect relationship?
- A. Sara's decreased productivity is causing the construction work.
 B. The ongoing construction work is causing Sara's decreased productivity.
 C. Sara's productivity was already decreasing before the construction work began.
 D. The construction work is unrelated to Sara's productivity.
- Q.45 Read the two statements given and select the correct option. (DUHS MDCAT 2024)
- I. Advances in cancer chemotherapy have made more drugs available today.
- II. A large number of cancer patients now have a better outcome.
- A. Both statements I and II are effects of some common cause.
 B. Statement I is the cause and statement II is the effect.
 C. Both statements I and II are effects of independent causes.
 D. Statement II is the cause and statement I is the effect.
- Q.46 Statements: (BUHMS MDCAT 2024)
- I. Kenya has surpassed the value of tea exports this year due to an increase in demand for quality tea in the Foreign market.
- II. There is an increase in demand of coffee in the local market during the last two years.
- A. Statement I is the cause and statement II is its effect
 B. Statement II is the cause and statement I is the effect
 C. Both the statements I and II are independent causes
 D. Both the statements I and II are effects of independent causes

ANSWER KEY >>>

1	D	11	A	21	B	31	B	41	B
2	A	12	A	22	B	32	D	42	B
3	A	13	D	23	B	33	B	43	A
4	B	14	A	24	B	34	A	44	B
5	B	15	A	25	B	35	C	45	B
6	B	16	H	26	B	36	A	46	D
7	B	17	B	27	B	37	B		
8	D	18	C	28	A	38	A		
9	A	19	B	29	D	39	B		
10	D	20	B	30	A	40	A		

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Critical thinking is the ability to analyze information objectively, identify assumptions, and draw logical conclusions, ultimately leading to informed judgments and decisions.

Following are the types of critical thinking

- Statement and Conclusions
- Statement and Inferences
- Statement and Assumptions
- Statement and Arguments

STATEMENT AND CONCLUSIONS

'Conclusion' means a fact that can be truly inferred from the contents of a given sentence or passage. In this section, a statement will be provided followed by a series of suggested conclusions. Here, you must take the statement to be true. After reading each conclusion underneath the statement, you must decide whether you think it follows from the statement provided.

If you agree that the conclusion exactly follows the statement, chose Conclusion follows. However, if you do not agree that the conclusion exactly follows then chose Conclusion does not follow.

You must select your answer based only on the information presented; not using general knowledge. Similarly, you are advised not to let your own opinions or prejudices influence your decisions;

stick to the statements and base your judgements on the facts presented. Remember to judge each conclusion individually.

Q.1 Statement:

Wind is an inexhaustible source of energy and an aerogenerator can convert it into electricity. Though not much has been done in this field, the survey shows that there is vast potential for developing wind as alternative source of energy.

Conclusions:

- Energy by wind is comparatively newly emerging field.
 - The energy crisis can be dealt by exploring more in the field of aero-generation.
- A. Only conclusion I follows C. Only conclusion II follows
B. Both I and II follow D. Neither I nor II follows

Q.2 Statement:

The manager humiliated Hamza in the presence of his colleagues.

Conclusions:

I. The manager did not like Hamza.

II. Hamza was not popular with his colleagues.

A. Only conclusion I follows

C. Only conclusion II follows

B. Both I and II follow

D. Neither I nor II follows

Q.3 Statement:

Smoking is one of those human weaknesses which tend to test the will power of the smoker to the edge.

Conclusions:

I. It is very difficult for the smokers to give up smoking even if they want to do so.

II. Human beings have other weaknesses as well.

A. Only conclusion I follows

C. Only conclusion II follows

B. Both I or II follows

D. Neither I nor II follows

Q.4 Statement:

In Japan, the incidence of stomach cancer is very high, while that of bowel cancer is very low. But Japanese emigrate to Hawaii, this is reversed-the rate of bowel cancer increases but the rate of stomach cancer is reduced in the next generation. All this is related to nutrition - the diet of Japanese in Hawaii are different than those in Japan.

Conclusions:

I. The same diet as in Hawaii should be propagated in Japan also

II. Bowel cancer is less severe than stomach cancer.

A. Only conclusion I follows

C. Only conclusion II follows

B. Both I or II follows

D. Neither I nor II follows

Q.5 Statement:

Mr. Kashif is one of the probable candidates short-listed for the post of Director of KIPS Institute.

Conclusions:

I. Mr. Kashif will be selected as Director of KIPS Institute.

II. Mr. Kashif will not be selected as Director of KIPS Institute.

A. Only conclusion I follows

C. Only conclusion II follows

B. Either I or II follows

D. Both I and II follows

Q.6 Statement:

Mosquitoes and cockroaches die by Kingtox whether it is in the form of powder or liquid. However, it was found that more of the cockroaches died instantly by eating Kingtox powder while more mosquitoes died after Kingtox liquid was sprayed.

Conclusions:

- I. Mosquitoes do not die by Kingtox powder.
- II. Kingtox liquid has little effect on cockroaches.
- III. Kingtox powder has more concentration for killing insects.

The conclusion(s) correctly drawn is/are

- A. I and II
- B. III only
- C. II and III
- D. I and III

Q.7 Statement:

In this company, 60 per cent of the employees are males, 40 per cent are females, 80 per cent of the employees are sincere and 40 per cent of the employees are from this city- Rawalpindi.

Conclusions:

- I. All male employees are from out station.
- II. All male employees are sincere.
- III. 20 per cent of female employees are not sincere.

The conclusion(s) correctly drawn is/are

- A. I follows
- B. III follows
- C. II and III follows
- D. None follows

Q.8 Statement:

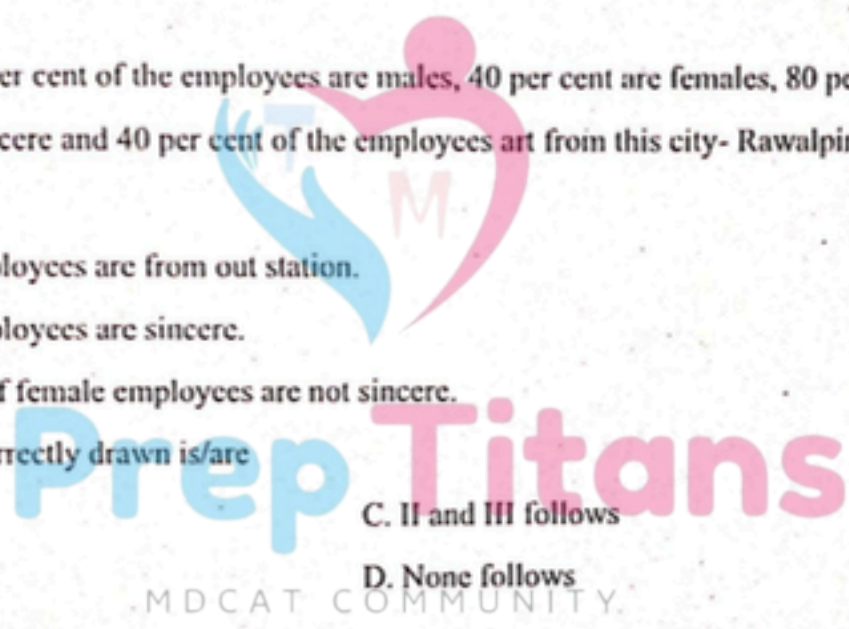
Every man should have his identity card with him. That card should mention his blood group, complete address and telephone number for contact, in case, some serious accident takes place.

Conclusions:

- I. Blood cannot be transfused until its group is mentioned in the card.
- II. The police need this information specially when the accident is fatal.
- III. In case of emergency, he may forget his address and may need the card to contact his house.

The conclusion(s) correctly drawn is/are

- A. I and II
- B. III only
- C. II only
- D. I and III



Q.13 Statement:
Sarah owns a new company. New companies are more likely to fail than well-established companies.

Conclusions:

- I. Sarah's company will fail.
- II. Sarah's company is more likely to fail than a well-established company.
- III. Well-established companies are more likely to succeed than new companies.

A. Only conclusion I follows

C. Only conclusion III follows

B. Both II and III follow

D. None follows

Q.14 Statement:

Statistics have shown that companies selling baked goods, such as cakes and pastries, are more likely to be successful if they are advertised as French or Belgian.

Conclusions:

I. French and Belgian products are more expensive.

II. French and Belgian baked goods must taste better.

III. It is a sound business model to advertise baked goods as "French" or "Belgian" as this is more likely to result in successful sales.

A. Only conclusion I follows

C. Only conclusion III follows

B. Both II and III follow

D. None follows

Q.15 Statement:

May 2012 had the highest level of rainfall on record for the preceding fifty years. Predictions of rainfall are rarely accurate.

I. It rained more than expected in May 2012.

II. The rainfall in May 2012 was greater than in May 2011.

III. May is usually dry.

A. Only conclusion II follows

C. Only conclusion III follows

B. Both II and III follow

D. None follows

Q.16 Statement:

Facebook was launched on the American stock market in May 2012. However, statistics suggest that several previously high-performing companies, such as Pandora, Groupon and LinkedIn fell in value after they were launched on the American stock market.

Conclusions:

I. It is possible that Facebook will also drop in value after May 2012.

II. Social networking sites perform badly once they become publicly listed on the stock market.

III. All companies decrease in value when first launched on the American stock market.

A. Only conclusion I follows

C. Only conclusion III follows

B. Both II and III follow

D. None follows

Q.17 Statement:

There are currently three problems facing the financial sector. Firstly, bankers are no longer seen as reliable or trustworthy. Secondly, executives of financial institutions are seen by the general public as being overpaid. Finally, it is difficult to regulate the financial sector.

Conclusions:

- I. Banks have never been trusted by the general public.
- II. Reliability is no longer an issue when considering the failings of the financial sector.
- III. Overpaying financial executives may contribute to problems facing the financial sector.

- A. Only conclusion I follows
- B. Both II and III follow
- C. Only conclusion III follows
- D. None follows

Q.18 Statement:

HUNZA CANDLE is a company that produces scented candles, using only natural products. Hunza Candle is against testing on animals and does not use pesticides in any of its products.

Conclusions:

- I. The scent from Hunza Candle's candles is made from fruits and berries.
- II. Hunza Candle's products are unlikely to contain man-made setting agents.
- III. Hunza Candle's products are likely to be expensive.

- A. Only conclusion I follows
- B. Both II and III follow
- C. Only conclusion II follows
- D. None follows

Q.19 Statement:

The Tapoloa Club is a Hawaiian-themed club in central London. Its most popular drink is the Volcano, which emits sparks and flames. The Tapoloa Club also offers a range of cocktails in perverse containers such as pineapples and coconuts, such as the 'Coconut Express' and the 'Pineapple Pick-Up' respectively.

Conclusions:

- I. The 'Coconut Express' is the second most popular drink sold by the Tapoloa Club.
- II. All themed clubs in London sell unusual drinks
- III. The "Coconut Express" is contained in a pineapple, and the "Pineapple Pick-up" is contained in a coconut.

- A. Only conclusion III follows
- B. Both II and III follow
- C. Only conclusion II follows
- D. None follows

Q.20 Statement:

Hania Amir has been a solicitor for three years. She works for a law firm in Karachi and has hopes of being promoted. To be promoted in Hania's firm, employees must have at least four years' experience practicing as a solicitor.

Conclusions:

- I. Hania cannot be promoted because she doesn't have enough experience.
- II. We cannot know whether Hania can be promoted or not.
- III. In 3 years' time, assuming that Hania has not been promoted, she will be over qualified for her current position.

- A. Only conclusion III follows
- B. Both I and III follow
- C. Only conclusion I follows
- D. None follows

ANSWER KEY

1	B	6	C	11	C	16	A
2	D	7	D	12	C	17	C
3	B	8	C	13	B	18	C
4	D	9	B	14	C	19	A
5	B	10	C	15	A	20	C

STATEMENT AND INFERENCES

A conclusion reached out on the basis of evidences and reasoning is called an inference.

In this section the question consists of a brief passage (usually a report containing certain data regarding some social or economic problem), followed by certain inferences based on it. The student is required to analyze the contents (or data) of the passage and grasp the desirable facts from it. Then, student has to consider each of the given inferences in the context of the given passage, decide upon its degree of truth or falsity and then choose the best alternative provided accordingly.

PRACTICE EXERCISE

Question 1 to 2

Coronavirus is killing people across the globe. Reported cases were rising a couple of months ago but now they are showing some decline. People are developing awareness about how to avoid getting infected. On top of that, people are now more willing to get vaccinated than a few month ago. The results are somehow heart-warming.

Q.1 Coronavirus is deadly diseases

- | | |
|--------------------|---------------------|
| A. Definitely true | C. Probably false |
| B. Probably true | D. Definitely false |

Q.2 Vaccination centers are now more crowded

- | | |
|--------------------|---------------------|
| A. Definitely true | C. Data inadequate |
| B. Probably true | D. Definitely false |

Question 3 to 4

The Ministry of finance claims that Pakistan has achieved a 3.97% growth rate in GDP during FY 2020-21. It means that things are going in the right path and the country is moving towards economics sustainability and development. Agriculture, industries, commerce and foreign income are the main components of Pakistan's economy

Q.3 Pakistan will achieve 4.5% growth rate in FY 2021-22

- | | |
|--------------------|---------------------|
| A. Definitely true | C. Data inadequate |
| B. Probably true | D. Definitely false |

Q.4 Industries are the main component in GDP growth

- | | |
|--------------------|--------------------|
| A. Definitely true | C. Data inadequate |
| B. Probably true | D. Probably false |

Question 5 to 7

Scientific studies have discovered a link between chewing gum and better performance when it comes to test. Researchers believe that this is because the act of chewing gum correlates with heightened activity in the hippocampus the region of the brain which handles memory. When activity in the hippocampus is increased, it appears as though the ability to recall memories is strengthened

- Q.5** Chewing gum causes heightened activity in the hippocampus.
- A. Definitely true
B. Probably true
C. Data inadequate
D. Probably false
- Q.6** There is a correlation between chewing gum and better recollection of memories
- A. Definitely true
B. Probably true
C. Data inadequate
D. Definitely false
- Q.7** Students who chewing gum will perform worse in exams than students who do not.
- A. Definitely true
B. Probably true
C. Probably false
D. Definitely false

Many opponents of the helmet law agree that helmets save motorcyclist' lives, but insist that the decision to wear a helmet should be left to the individual rider. Perhaps this argument would be valid if motorcyclists were the only ones negatively affected by their decision, but this is not the case.

- Q.8** It is the sole discretion of the motorcyclist to wear a helmet.
- A. Definitely true
B. Probably true
C. Probably false
D. Definitely false

Questions 9 to 12

Though the State cultivates only 3.2 lakh tons of mangoes, they are of premium quality and with mangoes becoming second most consumed fruit in the world after grapes, the government has been trying exporting it through sea route which is cheaper. An experiment which was done in this regard last year has proved successful.

- Q.9** Quality of mangoes is an important factor in exports.
- A. Definitely true
B. Probably true
C. Data inadequate
D. Definitely false
- Q.10** The State also exports good quality grapes.
- A. Definitely true
B. Probably true
C. Data inadequate
D. Definitely false
- Q.11** There are some problems in exporting mangoes through sea route.
- A. Definitely true
B. Probably false
C. Data inadequate
D. Definitely false

- Q.12 The State also cultivates a large number of medium quality of mangoes.
- A. Definitely true
B. Probably false
C. Data inadequate
D. Definitely false

Question 13 to 16

A tiger, when killing its natural prey, which it does either by stalking or lying-in wait for it, depends for the success of its attack on its speed and, to a lesser extent, on the condition of its teeth and claws. When, therefore, a tiger is suffering from one or more painful wounds or when its teeth are missing or defective and its claws worn down, and it is unable to catch animals it has been accustomed to eating, it is driven by the necessity to killing human beings.

- Q.13 Human beings are the natural prey of tigers.
- A. Definitely true
B. Probably true
C. Definitely false
D. Probably false
- Q.14 Sharp claws are needed by the tigers to kill animals in the forest.
- A. Definitely true
B. Probably true
C. Definitely false
D. Probably false
- Q.15 Old age propels tigers to take to man eating.
- A. Definitely true
B. Probably true
C. Data inadequate
D. Definitely false
- Q.16 Tiger kills man only when it has been incapacitated through wounds.
- A. Definitely true
B. Probably true
C. Data inadequate
D. Definitely false

Questions 17 to 21

A radical new surgery procedure, laughed at not long ago, is holding out fresh hope for patients of cardiac myopathy, or enlargement of the heart. The technique, now in Pakistan, allows patients to go home two weeks after the operation, to lead a near-normal sedentary life. Cardiac myopathy is a condition that has a variety of causative factors. An attack from one of the 20 identified viruses, parasite infection, long-term alcohol abuse and blood pressure could bring it on, and in rare cases, it could follow child birth and is even known to run in families. The condition is marked by an increase in the size of the heart's chambers and a decrease in the efficiency of pumping.

- Q.17 Cardiac myopathy is hereditary.
- A. Definitely true
B. Probably true
C. Data inadequate
D. Definitely false
- Q.18 The new technique was never tried in Pakistan in the past.
- A. Definitely true
B. Probably true
C. Definitely false
D. Probably false

- Q.19 The cardiac myopathy slows down the heartbeat.
- A. Definitely true
B. Probably true
C. Data inadequate
D. Definitely false
- Q.20 Earlier the patients suffering from cardiac myopathy were required to travel abroad for such operation.
- A. Definitely true
B. Probably true
C. Data inadequate
D. Probably false
- Q.21 The efficiency of the heart is inversely proportional to the size of the heart.
- A. Definitely true
B. Probably true
C. Data inadequate
D. Definitely false

Question 22 to 24

Primary education in Sindh is in a poor shape. Pupils in over 50 percent of the schools read in the open throughout the year. Over six million children born to lower income group parents remain unlettered. Not even one percent of the 63,000 primary schools have facilities of furniture, toilet, drinking water and games. 3113 new teachers have been appointed in the current financial year out of which 2747 are women. Now each of the 13,270 primary schools have at least two teachers.

- Q.22 630 primary schools in Sindh have all the facilities like furniture, toilet, drinking water, games.
- A. Definitely true
B. Probably true
C. Definitely false
D. Probably false
- Q.23 In Sindh, 90 percent of the primary teachers are women.
- A. Definitely true
B. Probably true
C. Data inadequate
D. Definitely false
- Q.24 In Sindh, 50 percent of the children are illiterate.
- A. Definitely true
B. Probably true
C. Data inadequate
D. Definitely false

Question 25 to 26

The Government of Pakistan has urged to Provincial Governments to create more jobs opportunities for women. All-out efforts are to be made to have more training facilities for women so that they can be gainfully employed. It is in pursuance of the recent policy decisions taken by the Government to make women self-reliant. The Provincials have been asked to end discrimination against the fair sex so far new jobs are concerned. The same wage for women workers should also be strictly adhered to, it has been emphasized.

- Q.25 More job opportunities are being created for women to eradicate poverty among them.
- A. Definitely true
B. Probably true
C. Definitely false
D. Probably false

Q.26 The Government emphasizes on equality of men and women.

- A. Definitely true
- B. Probably true

- C. Data inadequate
- D. Definitely false

(KMU MDCAT 2022)

Question 27 to 30

The water resources of our country are very much underutilized. The main reason of this underutilization is the lack of capital and technology. A large portion of our water resources is wasted due to floods and unwise use of water for irrigation as well as domestic purposes. We can make full use of our water resources by building dams on rivers and by adopting policy of awareness among people not to waste water.

Q.27 Building of dams is an essential step in the conservation of water resource.

- A. Definitely true
- B. Probably true

- C. Definitely false
- D. Probably false

Q.28 Occurrence of floods adds to the water resources.

- A. Definitely true
- B. Probably false

- C. Definitely false
- D. Data inadequate

Q.29 Some people do not use water resources in a judicious way.

- A. Definitely true
- B. Probably true

- C. Data inadequate
- D. Definitely false

Q.30 The country does not have enough funds to develop water resources.

- A. Definitely true
- B. Probably true

- C. Data inadequate
- D. Definitely false

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ANSWER KEY >>>

1	A	6	A	11	D	16	A	21	A	26	A
2	B	7	D	12	D	17	B	22	C	27	A
3	B	8	D	13	C	18	A	23	C	28	C
4	A	9	A	14	A	19	A	24	C	29	A
5	C	10	C	15	C	20	C	25	C	30	A

STATEMENT AND ASSUMPTIONS

An assumption means to assume something without any proof,

An assumption is something supposed or taken for granted; i.e., a fact that can be accepted as true on considering the contents of the given statement.

In these types of questions, a statement is given followed by two assumptions numbered I and II. The candidate is required whether the assumption is true or relevant to the statement by using logic, common sense and general awareness. If the statement is true or relevant we will say that the assumptions is implicit, otherwise Explicit (False).

NOTE:

- If the assumption is against the statement, then the assumption is always explicit.
- If the statement is generalized and the assumption is specific then the assumption is always false i.e. Explicit.
- The assumption which talks about the past or future are always false i.e. Explicit.

Direction

Give answer

- (A) If only assumption I is implicit;
- (B) If only assumption II is implicit;
- (C) If both I and II are implicit.
- (D) If neither I nor II is implicit and
- (E) If either I or II is implicit;

PRACTICE EXERCISE

Q.1 Statement:

Please note that the company will provide accommodation to only outside candidates if selected. A condition in an advertisement.

Assumptions:

- I. The local candidates would be having some other arrangement for their stay.
- II. The company plans to select only local candidates.

- A. Only assumption I is implicit
- B. Only assumption II is implicit
- C. Both I and II is implicit
- D. Neither I nor II is implicit

Q.2 Statement:

Safety and health practices in many Pakistani companies are well below the international standards.

Assumptions:

- I. International standards of health and safety are ideal and unrealistic.
- II. Pakistani organizations do not consider safety and health management as their prime social responsibility.

- A. Only assumption I is implicit
- B. Only assumption II is implicit
- C. Both I and II is implicit
- D. Neither I nor II is implicit

Q.3 Statement:

You know that your suit is excellent when people ask about your tailor who tailored the suit.

Assumptions:

I. People do not ask about your tailor if your suit is not good.

II. The people want to know the criterion of an excellent suit.

A. Only assumption I is implicit

C. Both I and II is implicit

B. Only assumption II is implicit

D. Neither I nor II is implicit

Q.4 Statement:

You are hereby appointed as a programmer with a probation period of one year and your performance will be reviewed at the end of the period for confirmation. A line in an appointment letter.

Assumptions:

I. The performance of an individual generally is not known at the time of appointment offer.

II. Generally an individual tries to prove his worth in the probation period.

A. Only assumption I is implicit

C. Both I and II is implicit

B. Only assumption II is implicit

D. Neither I nor II is implicit

Q.5 Statement:

It is faster to travel by air to Karachi from Lahore

Assumptions:

I. Lahore and Karachi are connected by air.

II. There are no other means of transport available to Karachi from Lahore.

A. Only assumption I is implicit

C. Both I and II is implicit

B. Only assumption II is implicit

D. Neither I nor II is implicit

Q.6 Statement:

If you have any problems, bring them to me

Assumptions:

I. You have some problems.

II. I can solve any problem.

A. Only assumption I is implicit

C. Both I and II is implicit

B. Only assumption II is implicit

D. Neither I nor II is implicit

Q.7 Statement:
Vitamin E tablets improve circulation, keep your complexion in a glowing condition.

Assumptions:

I. People like a glowing complexion.

II. Complexion becomes dull in the absence of circulation.

A. Only assumption I is implicit

C. Both I and II is implicit

B. Only assumption II is implicit

D. Neither I nor II is implicit

Q.8 Statement:

It is desirable to put the child in school at the age of 5 or so.

Assumptions:

I. At that age the child reaches appropriate level of development and is ready to learn.

II. The schools do not admit children after six years of age.

A. Only assumption I is implicit

C. Both I and II is implicit

B. Only assumption II is implicit

D. Neither I nor II is implicit

Q.9 Statement:

Children are influenced more by their teachers nowadays.

Assumptions:

I. The children consider teachers as their models.

II. A large amount of children's time is spent in school.

A. Only assumption I is implicit

C. Both I and II is implicit

B. Only assumption II is implicit

D. Neither I nor II is implicit

Q.10 Statement:

The Punjab government has decided to appoint four thousand primary school teachers during the next financial year.

Assumptions:

I. There are enough schools in the Punjab to accommodate four thousand additional primary school teachers.

II. The eligible candidates may not be interested to apply as the government may not finally appoint such a large number of primary school teachers.

A. Only assumption I is implicit

C. Both I and II is implicit

B. Only assumption II is implicit

D. Neither I nor II is implicit

Q.11 Statement:

If it does not rain throughout this month, most farmers would be in trouble this year.

Assumptions:

I. Timely rain is essential for farming.

II. Most farmers are generally dependent on rains.

A. Only assumption I is implicit

C. Both I and II is implicit

B. Only assumption II is implicit

D. Neither I nor II is implicit

Q.12 Statement:

His recent investment in the shares of Company A is only a gamble.

Assumptions:

I. He may incur loss on his investment.

II. He may gain from his investment.

A. Only assumption I is implicit

C. Either I or II is implicit

B. Only assumption II is implicit

D. Neither I nor II is implicit

STATEMENTS AND ARGUMENTS

In this type of questions, a statement concerned with a political, social or economic issue is given, followed by certain arguments in favour of or against the statement. The candidate is required to analyze first the statement, then the arguments in context of the statement and finally decide which of the arguments hold(s) strong and help(s) formulate the most appropriate opinion on the subject. In making decisions about important questions, it is desirable to be able to distinguish between 'strong' arguments and 'weak' arguments.

Strong arguments are those which are both important and directly related to the question. **Weak arguments** are those which are of minor importance and also may not be directly related to the question or may be related to a trivial aspect of the question.

Remember, you are required to form an opinion only in the light of the given arguments, and not on the basis of your own presumptions.

Strong Argument	Weak Argument
Security of nation	Over exaggeration, Assumption
Development of a country	Words like Each, Nothing, Every, All, Only
Universal Truth	Comparison
Instructions from Supreme Authority	Ambiguous
Facts based on experience	Half explained arguments

Direction

Each question given below consists of a statement, followed by two arguments numbered I and II. You have to decide which of the arguments is a 'strong' argument and which is a 'weak' argument.

Give answer:

- (A) If only argument I is strong
- (B) If only argument II is strong
- (C) If both I and II are strong.
- (D) If neither I nor II is strong and
- (E) If either I or II is strong

PRACTICE EXERCISE

Q.13 Statement:

Should military training be made compulsory in our country?

Arguments:

I. Yes, every child should go through this training.

II. No, it is not compulsory in USA

A. Only argument I is strong

B. Only argument II is strong

C. Both I and II are strong

D. Neither I nor II is strong

Q.14 Statement:

Should disarmament policy be adopted by Pakistan?

Arguments:

I. Yes, it will promote peace and would encourage other countries to do the same.

II. No, it will pose a security threat to Pakistan

A. Only argument I is strong

B. Only argument II is strong

C. Both I and II are strong

D. Neither I nor II is strong

Q.15 Statement:

Should the private sector be allowed to participate in development of railways?

Arguments:

I. Yes, this is one of the ways to provide better services to the public

II. No, there will be exploitation and fares may also increase.

A. Only argument I is strong

B. Only argument II is strong

C. Both I and II are strong

D. Neither I nor II is strong

Q.16 Statement:

Is it essential to ensure that all food supplied for consumption remains unaltered and uncontaminated?

Arguments:

I. Yes, first fundamental right under the constitution sets down that every citizen has a right to life.

II. No, virtually all items of food in Pakistan have chemicals or adulterants.

A. Only argument I is strong

B. Only argument II is strong

C. Both I and II are strong

D. Neither I nor II is strong

Q.17 Statement:

Should basic computer knowledge be made a compulsory subject?

Arguments:

I. No, there are many other important courses available which should be made compulsory.

II. No, students should be given the choice

A. Only argument I is strong

B. Only argument II is strong

C. Both I and II are strong

D. Neither I nor II is strong

Q.18 Statement:

Is ragging in colleges a good practice?

Arguments:

- I. Yes. A sensible ragging helps the college boys to step into manhood and teaches them to take trifles in good humors
- II. No. the tortures inflicted in the name of ragging and the humiliation suffered by young boys and girls often go beyond limits.

- A. Only argument I is strong C. Both I and II are strong
 B. Only argument II is strong D. Neither I nor II is strong

Q.19 Statement:

Are nuclear families better than joint families?

Arguments:

- I. No, joint families ensure security and also reduce the burden of work.
- II. Yes, nuclear families ensure greater freedom

- A. Only argument I is strong C. Both I and II are strong
 B. Only argument II is strong D. Neither I nor II is strong

Q.20 Statement:

Should officers accepting bribe be punished?

Arguments:

- I. No, certain circumstances may have compelled them to take bribe.
- II. Yes, they should do the job they are entrusted with, honestly

- A. Only argument I is strong C. Both I and II are strong
 B. Only argument II is strong D. Neither I nor II is strong

Q.21 Statement:

Should fashionable dresses be banned?

Arguments:

- I. Yes. Fashions keep changing and hence consumption of cloth increases.
- II. No. fashionable clothes are a person's self expression and therefore his/her fundamental right.

- A. Only argument I is strong C. Both I and II are strong
 B. Only argument II is strong D. Neither I nor II is strong

Q.22 Statement:

Should the parliamentary elections in Pakistan be held every three years as against five years at present?

Arguments:

- I. No. This will enhance wastage of money and resources.
- II. Yes. This will help the voters to change non-performing representatives, without much delay.
- III. No. The elected representatives will not have enough time to settle and concentrate on developmental activities.

- A. Only I and II are strong
 B. Only II and III are strong
 C. Only I and III are strong
 D. All are strong

Q.23 Statement:

Should the government ban all forms of protests including strikes and processions?

Arguments:

- I. Yes. This is the only way to teach discipline to the employees.
- II. No. Government cannot deprive its citizens of their basic rights.
- III. Yes. This is the only way to ensure maximum productivity without disruption of work.

- A. Only I and II are strong
 B. Only II and III are strong
 C. Only I and III are strong
 D. All are strong

Q.24 Statement:

Should women be given equal opportunity in the matter of employment in every field?

Arguments:

- I. Yes. They are equally capable.
- II. No. They have to shoulder household responsibilities.
- III. Yes. They should also go into the outside world.

- A. Only I and II are strong
 B. Only II and III are strong
 C. Only I and III are strong
 D. All are strong

Q.25 Statement:

Should "literacy" be the minimum criterion for becoming a voter in Pakistan?

Arguments:

- I. No. Mere literacy is no guarantee of political maturity of an individual.
- II. Yes. Illiterate people are less likely to make politically wiser decisions of voting for a right candidate or party.
- III. No. Voting is the constitutional right of every citizen.

- A. Only I and II are strong
 B. Only II and III are strong
 C. Only I and III are strong
 D. All are strong

Q.26 Statement:

Should education be made compulsory for all children upto the age of 14?

Arguments:

- I. Yes. This will help to eradicate the system of forced employment of these children.
- II. Yes. This is an effective way to make the entire population educated.
- III. No. We do not have adequate infrastructure to educate the entire population.
- IV. Yes. This would increase the standard of living.

A. Only I, II and IV are strong

C. Only I, II and III are strong

B. Only II and III are strong

D. All are strong

Q.27 Statement:

Should there be a total ban on tobacco products and smoking in Pakistan?

Arguments:

- I. Yes. It is wrong to smoke away millions of money.
- II. No. It will throw thousands of workers in the tobacco industry out of employment
- III. No. The government will lose huge amount of money as it will not earn by way of taxes on those products.

A. Only I and II are strong

C. Only I and III are strong

B. Only II and III are strong

D. All are strong

Q.28 Statement:

Should all the school teacher be debarred from giving private tuitions?

Arguments:

- I. No. the needy students will be deprived of the expertise of these teachers.
- II. Yes. This is an injustice to the unemployed educated people who can earn their living by giving tuitions.
- III. Yes. Only then the quality of teaching in schools will improve.
- IV. Yes. Now salary of these teachers is reasonable.

A. Only I and II are strong

C. Only argument III is strong

B. Only II and III are strong

D. All are strong

Q.29 Statement:

Should the rule of wearing helmet for both driver and pillion rider while driving a motor bike be enforced strictly?

Arguments:

- I. Yes. It is a rule and rules should be followed strictly by all.
- II. No. Each individual knows how to protect his own life and it should be left to his discretion.
- III. No. It does not ensure safety as only the head is protected and rest of the body is not
- IV. Yes. It is a necessity as head, being the most sensitive organ, is protected by the helmet.

- A. Only I and II are strong
- B. Only II and III are strong
- C. Only I and IV are strong
- D. All are strong

Q.30 Statement:

Should the railways immediately stop issuing free passes to all its employees?

Arguments:

- I. No. The employees have the right to travel free.
- II. Yes. This will help railways to provide better facility

- A. Only argument I is strong
- B. Only argument II is strong
- C. Both I and II are strong
- D. Neither I nor II is strong

PrepTitans ANSWER KEY

1	A	6	B	11	C	16	A	21	B	26	C
2	B	7	C	12	C	17	D	22	C	27	B
3	A	8	A	13	D	18	C	23	B	28	C
4	C	9	A	14	B	19	C	24	C	29	C
5	A	10	A	15	A	20	B	25	D	30	D

PAST PAPER MCQs

Q.1 Read the passage and the following statements below. Then choose the correct option, basing your answer only on the information provided. (UHS MDCAT 2022)

Queen Elizabeth II's Platinum jubilee, celebrating her 70 years on the British throne, was above all a tribute to one of history's great acts of constancy. Her reign spanned virtually the entire post-world War II era, making her a witness to cultural upheavals from the Beatles to Brexit.

Statements:

- I. There has been another queen of the British throne named Elizabeth before her.
- II. Brexit is a normal occurrence.
- III. Elizabeth was Queen of the British during World War II.

- A. I, II and III; all are correct
 B. Only III is correct
 C. Only I is correct
 D. Only I and III are correct

Q.2 Read the passage and the following statements below. Then choose the option, basing your answer only on the information provided. (SZABMU MDCAT 2022)

The Early medieval period (642-1219 CE) witnessed the spread of Islam region which is now known as Pakistan. During this period, Sufi missionaries played a pivotal role in converting a majority of the regional Buddhist and population to Islam.

Statements:

- I. Islam was spread in the Pakistan region during the Early Medieval period Medieval period
- II. Sufi missionaries converted a lot of people to Islam during this time by
- III. It can be said that the Sufis were responsible for Pakistan ultimately an Islamic country.

- A. Only I is correct
 B. Only I and II are correct
 C. I, II and III; all are correct
 D. Only I and III are correct

Q.3 The water resources of our country are very much underutilized. The main reason of this underutilization is the lack of capital and technology. A large portion of our water resources is wasted due to floods and unwise use of water for irrigation as well as domestic purposes. We can make full use of our water resources by building dams on rivers and by adopting policy of awareness among people not to waste water.

Building of dams is an essential step in the conservation of water resource.

(KMU MDCAT 2022)

- A. Definitely true
 B. Probably true
 C. Data inadequate
 D. Probably false

Q.4 Occurrence of floods adds to the water resources. (KMU MDCAT 2022)

- A. Definitely true
 B. Probably true
 C. Probably false
 D. Definitely false

Q.5 The country does not have enough funds to develop water resources. (KMU MDCAT 2022)

- A. Definitely true
- B. Probably true
- C. Data inadequate
- D. Probably false

Q.6 Methyl tetrachloride (MTC) is a chemical found in some pesticides, glues, and sealants. Exposure to MTC can cause people to develop asthma. In order to halve the nation's asthma rate, the government plans to ban all products containing MTC. (KMU MDCAT 2023)

The government's plan to halve the nation's asthma rate relies on which of the following assumption?

- A. Exposure to MTC is responsible for no less than half of the nation's asthma cases
- B. Products containing MTC are not necessary to the prosperity of the country's economy
- C. Asthma has reached epidemic proportion
- D. MTC products are helpful for asthma

Q.7 Read the passage and the following statements below. Then choose the correct option, basing your answer only on the information provided.

(UHS, SZABMU MDCAT 2023, UHS MDCAT 2024)

Pakistan is rich in wildlife and culture. It is home to many sorts of wildlife, from the Ibex to the Indus River Dolphin; and people from most countries in the world have made their home here.

Statements:

- I. Pakistan is a rich country.
- II. People from all nationalities of the world live in Pakistan.
- III. Pakistan is home to at least one dolphin species.

- A. Only III is correct
- B. Only I and II are correct
- C. Only I and III are correct
- D. Only II and III are correct

Q.8 The Incandescent brand fruit juice claims to be the most original fruit juice available on the market today. To prove this claim, the company marketing Incandescent called 10 people and asked them about their thoughts on fruit juices available on the market today. Nine of them stated that they unequivocally drink Incandescent brand fruit juices on a regular basis because it is closest to the taste of real fruits. Which of the following would most weaken this argument? (SZABMU MDCAT 2024)

- A. The Incandescent brand fruit juice is highly addictive
- B. The 10 people called were related closely to top executive of the company
- C. Most people prefer cola drink to fruit juices. Here Incandescent is a poor third to coke and Pepsi
- D. The 10 people were selected at random.

Q.9 Studies have shown that elderly people who practice a religion are much more likely to die immediately after an important religious holiday period than immediately before one. Researchers have concluded that the will to live can prolong life, at least for short periods of time.

(BUMHS MDCAT 2023)

- A. Elderly people who practice a religion are less likely to die immediately before or during an important religious holiday than at any other time of the year.
- B. Elderly people who practice a religion appear to experience less anxiety at the prospect of dying than do other people.
- C. Some elderly people who do practice a religion live much longer than most elderly people who do not.
- D. Most elderly people who participate in religious holidays have different reasons for participating than young people do.

ANSWER KEY >>

1	C	2	A	3	A	4	D	5	A
6	A	7	A	8	B	9	A		

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POST-ASSESSMENT TEST

- Q. 1 If “+” means “/”, “-” means “*”, “*” means “-” and “/” means “+” then,

$$\left(3 - \frac{15}{19}\right) * 8 + 3 = ?$$
- A. 5
 B. $\frac{279}{19}$
 C. 3
 D. 8
- Q. 2 **Statements:**
 Cats are mammals. Dogs are mammals.
Conclusions:
 I. Cats and dogs are mammals
 II. Cats are dogs
- A. Only I
 B. Both I and II
 C. Only II
 D. None of these
- Q. 3 If Sania runs faster than Aneela and Aneela runs slower than Faiza, then:
 A. Sania and Faiza have same speed
 B. Sania have highest speed
 C. Faiza have highest speed
 D. Highest speed cannot be predicted
- Q. 4 **Statement:**
 The availability of imported fruits has increased in the indigenous market and so the demand for indigenous fruits has been decreased.
Course of Actions:
 I. To help the indigenous producers of fruits, the Government should impose high import duty on these fruits, even if these are not of good quality.
 II. The fruit vendors should stop selling imported fruits. So that the demand for indigenous fruits would be increased.
- A. Both of them follows
 B. None of them follows
 C. Only I follows
 D. Only II follows
- Q. 5 **Statements:**
 I. Large number of people living in the low-lying areas has been evacuated during the last few days to safer places.
 II. The Government has rushed in relief supplies to the people living in the affected areas.
- A. Statement I is the cause and statement II is its effect
 B. Statement II is the cause and statement I is its effect
 C. Both the statements I and II are effects of independent causes
 D. Both the statements I and II are effects of some common cause
- Q. 6 **Studies have shown that elderly people who practice a religion are much more likely to die immediately after an important religious holiday period than immediately before one. Researchers have concluded that the will to live can prolong life, at least for short periods of time.**
- A. Elderly people who practice a religion are less likely to die immediately before or during an important religious holiday than at any other time of the year.
 B. Elderly people who practice a religion appear to experience less anxiety at the prospect of dying than do other people.
 C. Some elderly people who do practice a religion live much longer than most elderly people who do not.
 D. Most elderly people who participate in religious holidays have different reasons for participating than young people do.

ANSWER KEY

1	2	3	4	5	6
A	A	D	B	D	A

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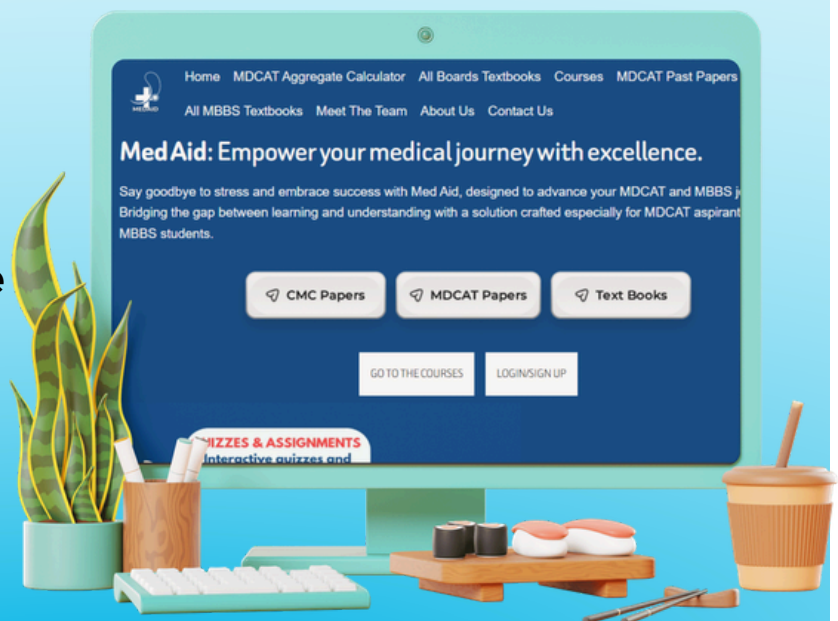
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