

	Paper-II	Statistics	100	100*2=200	2 hours (2 hours & 40 minutes for the candidates eligible for scribe as per Para-7.1,7.2 and 7.3)
--	-----------------	-------------------	-----	-----------	--

1. Tier-II will include conducting of Paper-I & Paper-II in separate shift(s)/ day(s).
2. Paper-I is compulsory for all the posts.
3. Paper-II will be for only those candidates who apply for the posts of Junior Statistical Officer (JSO) in the Ministry of Statistics and Programme Implementation and Statistical Investigator Grade-II in the office of Registrar General of India (M/o Home Affairs) and who are shortlisted in Tier-I for these Posts.

Indicative Syllabus (Tier-I):

General Intelligence & Reasoning: It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualization, spatial orientation, problem solving, analysis, judgment, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are, Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Classification, Symbolic/Number Classification, Figural Classification, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, symbolic Operations, Trends, Space Orientation, Space Visualization, Venn Diagrams, Drawing inferences, Punched hole/ pattern- folding& un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & city matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence.

Indicative Syllabus (Tier-II):

Module-II of Section-I of Paper-I (Reasoning and General Intelligence):

Questions of both verbal and non-verbal type. These will include questions on Semantic Analogy, Symbolic operations, Symbolic/ Number Analogy, Trends, Figural Analogy, Space Orientation, Semantic Classification, Venn Diagrams, Symbolic/ Number Classification, Drawing inferences, Figural Classification, Punched hole/ pattern-folding & unfolding, Semantic Series, Figural Pattern-folding and completion, Number Series, Embedded figures, Figural Series, Critical Thinking, Problem Solving, Emotional Intelligence, Word Building, Social Intelligence, Coding and de-coding, Numerical operations, Other sub-topics, if any.

SSC CGL Tier-I Cutoff

Category	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
SC	114	98	-	115.35	100.93	75.78	89.09	126.68	126.42	114.97
ST	103	88.50	111.10	104.92	93.75	62.81	77.57	118.16	111.85	106.36
OBC	125	110.00	103.22	135.95	119.23	95.11	114.27	145.94	146.23	130.36
EWS	-	-	-	135.04	109.21	104.64	102.35	143.44	141.82	127.41
UR	137	126.50	131.18	147.78	132.37	114.85	114.27	150.05	152.97	136.83
ESM	92	69.00	137.07	89.29	74.87	-	40.00	100.30	69.92	92.80
OH	97	84.50	40.00	98.43	85.99	47.42	70.70	115.98	113.10	100.87
HH	20	38.00	95.55	40.00	40.00	40.00	40.00	77.72	64.79	68.79
VH	68	89.50	40.00	110.41	95.76	40.00	40.00	121.59	102.97	72.00
Others-PWD	-	-	70.25	40.00	40.00	40.00	40.00	77.72	45.74	41.70

SSC CGL Tier-II Cutoff

Category	2016	2017	2018	2019	2020	2021	2022	2023	2024
SC	363.26	338.25	354.74	434.68	331.52	384.72	213.27	252	285.45
ST	341.00	311.25	327.05	405.13	309.87	345.12	192.23	241	266.49
OBC	397.00	379.75	403.33	478.82	381.12	440.22	242.79	271	306.27
EWS	-	-	-	466.42	366.47	423.11	228.63	265	300.03
UR	422.00	415.50	535.86	528.38	433.62	478.55	270.36	287	322.77
ESM	-	263.50	252.12	365.98	204.78	-	79.35	223	202.28
OH	333.00	294.00	302.50	392.97	287.10	341.27	187.58	234	258.66
HH	216.00	191.00	165.73	259.91	133.21	203.73	79.35	172	181.89
VH	336.00	311.00	280.98	422.76	317.48	-	158.48	228	219.45
PwD-Other	-	-	122.58	120.00	148.95	128.12	79.35	143	136.73

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TIER – I

**SSC - CGL
REASONING**

NUMBER OF QUESTIONS ASKED IN SSC - CGL - REASONING (2010 to 2025)

TIER - I		2010	2011	2012	2013	2014	2015	2016	2017	2019	2020	2021	2022	2023	2024	2025
1	ANALOGY	12	10	12	9	9	10	15	14	15	14	15	23	21	12	17
2	BLOOD RELATIONS	1	1	-	-	1	-	2	1	3	3	3	9	4	2	15
3	CODING - DECODING	2	2	2	1	2	3	3	4	7	6	6	14	6	9	5
4	DAY, DATE & TIME	-	-	-	-	-	-	-	1	-	2	-	-	-	-	-
5	LOGICAL REASONING	6	8	10	6	5	8	8	7	2	-	-	3	-	-	19
6	MATHEMATICAL OPERATIONS	4	6	2	2	7	3	5	5	4	6	6	18	6	6	21
7	ODD ONE OUT	6	7	8	4	6	6	9	6	9	8	8	8	3	6	12
8	SYLLOGISM	1	-	-	2	2	2	3	3	3	3	3	9	3	3	2
9	WORD ARRANGEMENTS	4	4	2	3	4	3	6	4	3	3	3	6	3	4	9
10	SERIES															
	SERIES NON-VERBAL	-	-	-	-	-	-	-	-	3	3	3	9	6	6	-
	SERIES	8	7	10	11	4	4	6	8	9	10	9	21	8	13	25
11	VENN DIAGRAM	1	1	-	2	2	2	3	3	3	3	3	3	3	-	-
12	SPATIAL AND DIAGRAMMATIC REASONING															
	EMBEDDED FIGURES	1	1	1	1	2	1	3	3	3	3	2	7	3	3	-
	CUBE AND DICE	1	-	-	1	1	1	-	3	3	3	3	6	2	5	-
	MIRROR/WATER IMAGE	1	1	1	1	1	1	3	3	3	3	3	5	4	1	-
	PAPER CUT FOLD	1	1	1	2	1	1	3	3	3	3	3	6	2	3	-
	COMPLETION OF FIGURE	-	-	1	3	2	2	3	3	-	-	-	-	-	-	-
	COUNTING OF FIGURE	1	1	-	1	1	2	3	1	2	3	3	-	-	3	-

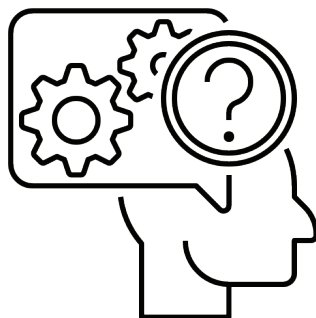
ANALOGY

SECTION

1

SYLLABUS

**SEMANTIC ANALOGY,
SYMBOLIC/NUMBER
ANALOGY,
FIGURAL ANALOGY**



CHAPTER-1

ANALOGY

Previous Year Exam Questions

[2010: SHIFT-1]

1. ACEG : SUWY :: BDFH : ?

- (1) TVZX
(3) TVXZ

- (2) RIZV
(4) RTVZ

[2010: SHIFT-1]

2. $\frac{M}{AC} : \frac{N}{AD} :: \frac{O}{AE} : ?$

- (1) $\frac{P}{AF}$
(3) $\frac{P}{AC}$

- (2) $\frac{Q}{AB}$
(4) $\frac{R}{AD}$

[2010: SHIFT-1]

3. 5 : 27 :: 9 : ?

- (1) 83
(3) 36

- (2) 81
(4) 18

[2010: SHIFT-1]

4. 6 : 11 :: 11 : ?

- (1) 6
(3) 21

- (2) 17
(4) 30

[2010: SHIFT-1]

5. ABE : 8 :: KLO : ?

- (1) 37
(3) 38

- (2) 39
(4) 36

[2010: SHIFT-1]

6. Sty : Plg :: Byre : ?

- (1) Eagle
(3) Tiger

- (2) Cow
(4) Hem

[2010: SHIFT-1]

7. Patrol : Security :: Insurance : ?

- (1) Money
(3) Savings

- (2) Policy
(4) Risk

[2010: SHIFT-1]

8. ADBC : EHFG :: ILJK : ?

- (1) MOPN
(3) ORPQ

- (2) MPNO
(4) MPON

[2010: SHIFT-1]

9. Find out a set of numbers amongst the four sets of numbers given in the alternatives, which is the most similar to the numbers given in the question.

Given: (6, 30, 90)

- (1) 6, 42, 86
(2) 6, 24, 70
(3) 7, 42, 218
(4) 8, 48, 192

[2010: SHIFT-1]

10. Find the missing number from the given responses.

173 (24) 526
431 (18) 325
253 (?) 471

- (1) 22
(3) 30

- (2) 42
(4) 06

[2010: SHIFT-1]

11. Find out the correct answer for the unsolved equation on the basis of the given equation

If $6*5 = 91$

$8*7 = 169$

$10*7 = 211$

then $11*10 = ?$

- (1) 331
(3) 678

- (2) 993
(4) 845

[2010: SHIFT-1]

12. What is the number missing from the third target?

5
16
49

9
29
89

15
?
147

- (1) 45
(3) 51

- (2) 48
(4) 54

Directions (13-21): In each of the following questions, select the related letters/word/numbers from the given alternatives.

[2011: SHIFT-1]

13. Fish : Scales :: Bear : ?

- (1) Feathers bred
(3) Fur

- (2) Leaves
(4) Skin

[2011: SHIFT-1]

14. Writer : Pen :: ?

- (1) Needle : Tailor
(3) Painter : Canvas

- (2) Artist : Brush
(4) Teacher : Class

[2011: SHIFT-1]

15. NUMERAL : UEALRMN :: ALGEBRA : ?

- (1) LRBAGEA
(3) LERABGA

- (2) BARLAGE
(4) LERABGA

[2011: SHIFT-1]

16. BDAC : FHEG :: NPMO : ?

- (1) RQTS
(3) TRQS

- (2) QTRC
(4) RTQS

[2011: SHIFT-1]

17. FGHL : OPOR :: BCDE : ?

- (1) KLMJ
(3) IUVW

- (2) KLMN
(4) STUW

[2011: SHIFT-1]

18. PNLJ : IGEC :: VTRP : ?

- (1) OMKI
(3) QSRC

- (2) RSTU
(4) RPOM

[2011: SHIFT-1]

19. 17 : 60 :: 20 : ?

- (1) 57
(3) 81

- (2) 69
(4) 93

[2011: SHIFT-1]

20. 6 : 64 :: 11 : ?

- (1) 144
(3) 121

- (2) 169
(4) 124

[2011: SHIFT-1]

21. 123 : 4 :: 726 : ?

- (1) 23
(3) 14

- (2) 26
(4) 12

Directions (22-23): In each of the following questions. Select the missing number from the given responses.

[2011: SHIFT-1]

2 7 9
22. 7 3 4
9 8 ?
126 168 216

- (1) 8
(3) 6

- (2) 3
(4) 36

Directions: In questions no. 23 to 31, select the related letters/word number from the given alternatives.

[2012: SHIFT-1]

23. 8 : 12 :: 6 : ?

- (1) 8
(3) 5

- (2) 11
(4) 7

[2012: SHIFT-1]

24. 13 : 19 :: 21 : ?

- (1) 41
(3) 141

- (2) 81
(4) 14

[2012: SHIFT-1]

25. Eagle : Swoops :: Duck : ?

- (1) waddles
(3) swims

- (2) floats
(4) flits

[2012: SHIFT-1]

26. APPLE : 50 :: ORANGE : ?

- (1) 60
(3) 61

- (2) 69
(4) 63

[2012: SHIFT-1]

27. Accommodation : Rent :: Journey : ?

- (1) Freight
(3) Fare

- (2) Octroi
(4) Expense

[2012: SHIFT-1]

28. Fire : Smoke :: ?

- (1) Children: School
(3) Moon: Sky

- (2) Cloud: Rain
(4) Shoe: Polish

[2012: SHIFT-1]

29. Grenade : Gun :: ?

- (1) Sister : Brother
(3) Man : Woman

- (2) Father : Mother
(4) Head : Brain

[2012: SHIFT-1]

30. TSH : IRQ :: QPK : ?

- (1) LNO
(3) PWK

- (2) LON
(4) PON

[2012: SHIFT-1]

31. AEZ : FPY :: BGX : ?

- (1) HWW
(3) HTX

- (2) IYY
(4) HYW

[2012: SHIFT-1]

32. If PEAR is written as GFDN, how is REAP written in this code?

- (1) FDNG
(3) DNGF

- (2) NFDG
(4) NDFG

[2012: SHIFT-1]

33. If $54+43=2$, $60+51=10$, then $62+72=?$

- (1) 30
(3) 20

- (2) 18
(4) 9

[2012: SHIFT-1]

34. If $16-2=2$, $9-3=0$, $81-1=8$, then what is $64-4$?

- (1) 4
(3) 6

- (2) 2
(4) 8

Directions: In the following, select the related letter/word from the given alternatives.

[2013: SHIFT-1]

35. Horse : Neigh :: Bells : ?

- (1) Beat
(3) Rustle

- (2) Chime
(4) Roar

[2013: SHIFT-1]

36. A-E : R-V :: B-F : F-J

- (1) CTDH
(3) FUGK

- (2) BSCG
(4) CSOG

[2013: SHIFT-1]

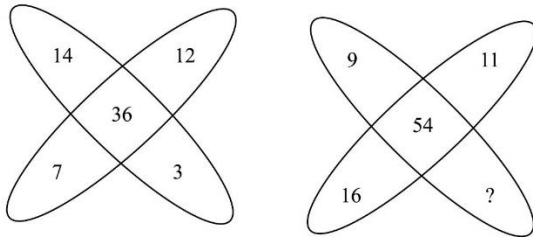
37. If $55 + 66 = 33$ and $22 + 99 = 33$, what is $44 + 88$?

- (1) 33
(3) 38

- (2) 36
(4) 40

[2015: SHIFT-1]

54.



- (1) 12
(3) 18

- (2) 17
(4) 16

[2015: SHIFT-1]

55. 9 11 13
13 15 17
10 12 14
14 16 18
11 13 ?

- (1) 22
(3) 15

- (2) 14
(4) 21

[2015: SHIFT-1]

56.

3	2	2	-1	6	5
4	24	-2	4	0	?

- (1) 30
(3) 0

- (2) 11
(4) 1

57. 7 5 3
8 4 9
2 8 ?
112 160 162

- (1) 4
(3) 8

- (2) 6
(4) 12

Directions (Qs. 58-63): In the following Six Questions, select the related word/letters/number from the given alternatives.

[2015: SHIFT-1]

58. Haematology : Blood :: Phycology : ?

- (1) Fungi (2) Fishes
(3) Algae (4) Diseases

[2015: SHIFT-1]

59. Pride of Lions :: _____ of cats

- (1) Herd (2) School
(3) Clowder (4) Bunch

[2015: SHIFT-1]

60. MAN : PDQ :: WAN : ?

- (1) ZDQ (2) NAW
(3) YQD (4) YDQ

[2015: SHIFT-1]

61. AEFJ : KOPT :: ? : QUVZ

- (1) GLKP
(3) HLKP

- (2) GKLP
(4) HKQL

[2015: SHIFT-1]

62. 2 : 32 :: 3 : ?

- (1) 243
(3) 183

- (2) 293
(4) 143

[2015: SHIFT-1]

63. D × H : 4 × 8 as M × Q : ?

- (1) 12 × 17
(3) 13 × 17

- (2) 12 × 16
(4) 14 × 18

[27 AUG. 2016: SHIFT-1]

64. Select the related word/letters/number from the given alternatives.

Donkey : Brays :: Monkey : ?

- (1) Chatters
(3) Bellows

- (2) Trumpets
(4) Grunts

[27 AUG. 2016: SHIFT-1]

65. Select the related word/letters/number from the given alternatives.

ABDE : FGII :: IJLM : ?

- (1) NOQR
(3) NMOP

- (2) NOPQ
(4) NPQR

[27 AUG. 2016: SHIFT-1]

66. Select the related word/letters/number from the given alternatives.

1 : 87 : 64

- (1) 25
(3) 30

- (2) 36
(4) 27

[27 AUG. 2016: SHIFT-1]

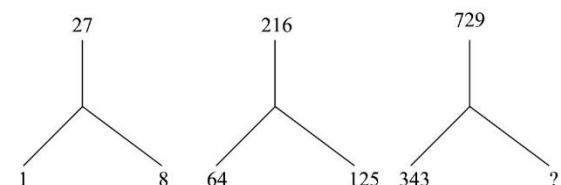
67. If $17 + 17 = 2895$ $18 + 18 = 3245$ $19 + 19 = 3015$ then $23 + 23 = ?$

- (1) 5705
(3) 4005

- (2) 2505
(4) 5295

[27 AUG. 2016: SHIFT-1]

68. Select the missing number from the given responses.



- (1) 432
(3) 512

- (2) 334
(4) 301

[8 SEP. 2016: SHIFT-2]

69. Select the related word/letters/numbers from the given alternatives:

FINGERS : HAND :: ? : FEET

- (1) NAILS
(3) ANKLE

- (2) TOES
(4) HEELS

[8 SEP. 2016: SHIFT-2]

70. Select the related word/letters/numbers from the given alternatives:

OOQR : QQST :: UUWX : ?

- (1) WWYZ
(3) ZZWY

- (2) YYWZ
(4) YYZZ

[8 SEP. 2016: SHIFT-2]

71. Select the related word/letters/numbers from the given alternatives:

342 : 453 :: 831 : ?

- (1) 720
(3) 922

- (2) 740
(4) 942

[8 SEP. 2016: SHIFT-2]

72. Some equations have been solved on the basis of a certain pattern. Find the correct answer for the unsolved equation on that basis.

$$8 \times 7 \times 6 = 765$$

$$5 \times 3 \times 2 = 421$$

$$9 \times 6 \times 4 = ?$$

- (1) 583
(3) 841

- (2) 853
(4) 481

[8 SEP. 2016: SHIFT-2]

73. Find the missing term in the following question:-

6	15	20
8	4	5
3	5	20
51	65	?

- (1) 50
(3) 120

- (2) 12
(4) 51

[11 SEP. 2016: SHIFT-3]

74. Select the related word/letters/numbers from the given alternatives:

Medicine : Patient :: Education : ?

- (1) Teacher
(3) Student

- (2) School
(4) Tuition

[11 SEP. 2016: SHIFT-3]

75. Select the related word/letters/numbers from the given alternatives:

LAMP : IXJM :: FISH : ?

- (1) CGPF
(3) CFPE

- (2) CFQE
(4) CGQF

[11 SEP. 2016: SHIFT-3]

76. Select the related word/letters/numbers from the given alternatives:

13 : 20 :: 17 : ?

- (1) 25
(3) 27

- (2) 26
(4) 28

[11 SEP. 2016: SHIFT-3]

77. A certain system is followed to solve the problem. Accordingly find out the correct answer from the alternatives for the unsolved equations.

$$7 \times 4 \times 9 = 479$$

$$9 \times 5 \times 2 = 592$$

$$6 \times 9 \times 5 = 965$$

$$8 \times 6 \times 2 = ?$$

- (1) 286
(3) 628

- (2) 682
(4) 268

[11 SEP. 2016: SHIFT-3]

78. Find the missing number from the given alternatives

7	10	5
16	40	8
15	?	9

- (1) 75
(3) 20

- (2) 45
(4) 30

[8 AUG. 2017: SHIFT-1]

79. In the following question, select the related word from the given alternatives.

Car : Road :: Ship : ?

- (1) Water
(3) Road

- (2) Air
(4) Both Air and Water

[8 AUG. 2017: SHIFT-1]

80. In the following question, select the related letters from the given alternatives.

GLOW : FJNU :: PTEL : ?

- (1) ORFN
(3) ORJD

- (2) ORDJ
(4) OPNF

[8 AUG. 2017: SHIFT-1]

81. In the following question, select the related number from the given alternatives.

5 : 124 :: 6 : ?

- (1) 215
(3) 217

- (2) 216
(4) 220

[8 AUG. 2017: SHIFT-1]

82. In the following question, select the number which can be placed at the sign of question mark (?) from the given alternatives.

7	6	3
2	5	1
8	9	4
115	273	?

- (1) 14
(3) 16

- (2) 15
(4) 18

[17 AUG. 2017: SHIFT-2]

83. Select the related word from the given alternatives.

Office : Colleagues :: Home : ?

- (1) Rest
(3) Friends

- (2) Work
(4) Family

[17 AUG. 2017: SHIFT-2]

84. Select the related letters from the given alternatives.

XVT : RPN :: LJH : ?

- (1) FDB (2) ECA
(3) KIG (4) QOM

[17 AUG. 2017: SHIFT-2]

85. Select the related number from the given alternatives.

0.04 : 0.2 :: 0.09 : ?

- (1) 0.3 (2) 0.6
(3) 0.9 (4) 2

[17 AUG. 2017: SHIFT-2]

86. IF $5@1 = 60$; $12@8 = 200$; $16@2 = 180$; then what is the value of $16@10 = ?$

- (1) 32 (2) 11
(3) 9 (4) 260

[17 AUG. 2017: SHIFT-2]

87. Select the missing number from the given responses

104	?	57
87	78	9
103	78	25

- (1) 35 (2) 47
(3) 54 (4) 78

[23 AUG. 2017: SHIFT-3]

88. Select the related word from the given alternatives.

Car : Steering wheel :: Motorcycle : ?

- (1) Tyre (2) Headlight
(3) Engine (4) Handle bar

[23 AUG. 2017: SHIFT-3]

89. Select the related letters from the given alternatives.

EFG : VUT :: JIH : ?

- (1) SUW (2) QRS
(3) QSU (4) HFD

[23 AUG. 2017: SHIFT-3]

90. Select the related number from the given alternatives.

0.02 : 0.002 :: $1/3$: ?

- (1) 0.333 (2) $1/30$
(3) 0.003 (4) 3

[23 AUG. 2017: SHIFT-3]

91. If $9\#3 = 6$; $15\#3 = 9$; $60\#4 = 32$; then what is the value of $27\#3 = ?$

- (1) 24 (2) 15
(3) 13 (4) 33

[23 AUG. 2017: SHIFT-3]

92. Select the missing number from the given responses

91	299	493
?	23	29
7	13	17

(1) 13

(2) 17

(3) 84

(4) 98

[6 JUNE 2019: SHIFT-2]

93. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster

JKLM : HLKO :: PQRS : ?

- (1) MRQV (2) ORQT
(3) NRQU (4) NQRU

[6 JUNE 2019: SHIFT-2]

94. उस विकल्प का चयन करें जो तीसरे पद से उसी प्रकार संबंधित है जैसे दूसरा पद पहले पद से संबंधित है।

प्रसन्न : आनंदित :: उदास : ?

- (1) विषाद ग्रस्त (2) विनोदपूर्ण
(3) संतुष्ट (4) आनंदपूर्ण

[6 JUNE 2019: SHIFT-2]

95. Select the set in which the numbers are related in the same way as are the numbers of the following set.

(12, 16, 28)

- (1) (20, 25, 35) (2) (9, 15, 21)
(3) (18, 24, 42) (4) (36, 48, 77)

[6 JUNE 2019: SHIFT-2]

96. Select the number-pair in which the two members are related in the same way as are the two numbers of the following number-pair

28 : 63

- (1) 48 : 98 (2) 16 : 36
(3) 36 : 78 (4) 12 : 28

[6 JUNE 2019: SHIFT-2]

97. Dumbness' is related to 'Speech' in the same way as '_____ ' is related to 'Memory'.

- (1) Illusion (2) Thoughtlessness
(3) Recognition (4) Amnesia

[6 JUNE 2019: SHIFT-2]

98. Select the set in which the numbers are related in the same way as are the numbers of the following set.

(15, 22, 31)

- (1) (23, 30, 40) (2) (7, 14, 23)
(3) (11, 18, 29) (4) (5, 11, 20)

[13 JUNE 2019: SHIFT-3]

99. Select the option that is related to the third number in the same way as the second number is related to the first number.

19 : 400 :: 24 : _____

- (1) 676 (2) 566
(3) 625 (4) 652

[13 JUNE 2019: SHIFT-3]

100. ACCIDENT is related to TNEDICCA in the same way as PASSENGER is related to '_____'.
 (1) REGNSESAP (2) REGNESSAP
 (3) RGENESSAP (4) REGMESSAP

[13 JUNE 2019: SHIFT-3]

101. Select the word-pair in which the two words are related in the same way as the two words in the following word-pair.
 School : Student : : _____ : _____
 (1) Court : Judge (2) College : Teacher
 (3) Hospital : Patient (4) Hotel : Chef

[13 JUNE 2019: SHIFT-3]

102. Select the letter-cluster that is related to the third letter-cluster in the same way that the second letter-cluster is related to the first letter-cluster.
 AFKP : BGLQ : : GLQV : ?
 (1) HMRW (2) HNRW
 (3) HKRW (4) HMPW

[19 JUNE 2019: SHIFT-3]

103. Diabetes is related to Insulin in the same way as Anaemia is related to _____.
 (1) Iron (2) Blood
 (3) Water (4) Harmon

[19 JUNE 2019: SHIFT-3]

104. Select the option that is related to the third term in the same way as the second term is related to the first term.
 961 : 992 : : 841 : _____.
 (1) 873 (2) 870
 (3) 864 (4) 852

[19 JUNE 2019: SHIFT-3]

105. Select the word-pair in which the two words are related in the same way as the two words in the following word-pair.
 China : Beijing : : _____ : _____
 (1) Japan : Yen (2) Sweden : Madrid
 (3) Iraq : Baghdad (4) Dollar : USA

[19 JUNE 2019: SHIFT-3]

106. Select the option that is related to the third number in the same way as the second number is related to the first number.
 4 : 67 : : 8 : _____.
 (1) 515 (2) 521
 (3) 513 (4) 512

[19 JUNE 2019: SHIFT-3]

107. Select the option that is related to the third term in the same way as the second term is related to the first term.
 CDF : GHJ : : KLN : _____.
 (1) OPR (2) EDU
 (3) YFD (4) OPS

[3 MARCH 2020: SHIFT-1]

108. Select the option in which the numbers are related in the same way as are the numbers in the given set.
 (269, 278, 296)
 (1) (313, 322, 340) (2) (109, 118, 128)
 (3) (419, 430, 448) (4) (577, 586, 598)

[3 MARCH 2020: SHIFT-1]

109. Select the option that is related to the third word in the same way as the second word is related to the first word.
 Medicine : Disease : : Food : ?
 (1) Hunger (2) Energy
 (3) Nutrition (4) Thirst

[3 MARCH 2020: SHIFT-1]

110. Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.
 12 : 72 : 18 : ? : 22 : 242
 (1) 162 (2) 140
 (3) 160 (4) 164

[3 MARCH 2020: SHIFT-1]

111. Select the option in which the words share the same relationship as that shared by the given pair of words.
 Clock : Time
 (1) Ammeter: Current
 (2) Taseometer: Wind
 (3) Balance Scale
 (4) Anemometer : Strains

[3 MARCH 2020: SHIFT-1]

112. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

6	21	14
40	500	?
8	25	7

- (1) 78 (2) 98
 (3) 91 (4) 84

[6 MARCH 2020: SHIFT-2]

113. Select the option in which the numbers are related in the same way as are the numbers in the given set.
 (343, 98, 21)
 (1) (1728, 288, 24) (2) (512, 126, 27)
 (3) (1331, 242, 33) (4) (217, 72, 18)

[6 MARCH 2020: SHIFT-2]

114. Select the option that is related to the third word in the same way as the second word is related to the first word.

Crop : Farmer :: Food : ?

- (1) Utensil (2) Chef
(3) Kitchen (4) Vegetables

[6 MARCH 2020: SHIFT-2]

115. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

10	4	7	5
15	7	8	25
14	3	6	12
10	?	14	65

- (1) 10 (2) 16
(3) 14 (4) 18

[6 MARCH 2020: SHIFT-2]

116. Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.

78 : 117 : 90 :: ? : 108 : 162

- (1) 144 (2) 126
(3) 117 (4) 135

[9 MARCH 2020: SHIFT-3]

117. 'Family' is related to 'Upbringing in the same way as School' is related to

- (1) Education (2) Children
(3) Curriculum (4) Parents

[9 MARCH 2020: SHIFT-3]

118. Select the option in which the words share the same relationship as that shared by the given pair of words.

Arteries : Circulatory System

- (1) Lungs: Olfactory system
(2) Eyes: Endocrine System
(3) Kidney: Respiratory System
(4) Nerves: Nervous System

[9 MARCH 2020: SHIFT-3]

119. Select the option in which the numbers are related in the same way as are the numbers in the given set. (14, 17, 961)

- (1) (15, 14, 743) (2) (11, 12, 729)
(3) (13, 19, 1024) (4) (12, 18, 851)

[9 MARCH 2020: SHIFT-3]

120. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

11	13	17
33	35	39
189	191	?

- (1) 203 (2) 199
(3) 195 (4) 217

[9 MARCH 2020: SHIFT-3]

121. Select the option that is related to the third number in the same way as the second number is related to the first number.

23 : 527 :: 19 : ?

- (1) 325 (2) 359
(3) 402 (4) 363

[13 AUG. 2021: SHIFT-1]

122. Select the option in which the words share the same relationship as that shared by the given pair of words.

Horses : Neigh

- (1) Ducks: Quack (2) Parrots: Bray
(3) Hares: Boom (4) Pigs: Buzz

[13 AUG. 2021: SHIFT-1]

123. Select the option that is related to the third word in the same way as the second word is related to the first word.

Depression : Mood :: Insomnia : ?

- (1) Sleep (2) Thinking
(3) Night (4) Dreams

[13 AUG. 2021: SHIFT-1]

124. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

4 7 6

15 ? 21

44 68 60

- (1) 19 (2) 20
(3) 18 (4) 24

[13 AUG. 2021: SHIFT-1]

125. Select the option that is related to the third number in the same way as the second number is related to the first number.

12: 60 :: 16 : ?

- (1) 210 (2) 121
(3) 112 (4) 201

[13 AUG. 2021: SHIFT-1]

126. Select the option in which the numbers are related in the same way as are the numbers of the following set.

(25, 18, 225)

- (1) (9, 16, 170) (2) (24, 22, 264)
(3) (15, 34, 190) (4) (17, 15, 220)

[17 AUG. 2021: SHIFT-2]

127. Select the option in which the words share the same relationship as that shared by the given pair of words.

Sympathy : Affinity

- (1) Tranquil : Serene (2) Vivid : Dark
(3) Tame : Harsh (4) Vain : Modest

[17 AUG. 2021: SHIFT-2]

128. Select the option in which the numbers are related in the same way as are the numbers of the following set. (9, 21, 124)

- (1) (5, 16, 220) (2) (14, 58, 112)
(3) (17, 37, 220) (4) (11, 64, 131)

[17 AUG. 2021: SHIFT-2]

129. Select the option that is related to the third word in the same way as the second word is related to the first word.

Dermatologist : Skin :: Neonatologist : ?

- (1) Liver (2) Infants
(3) Immunity (4) Hormones

[17 AUG. 2021: SHIFT-2]

130. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

3 11 2
5 11 7
13 ? 18

- (1) 33 (2) 27
(3) 31 (4) 29

[17 AUG. 2021: SHIFT-2]

131. Select the option that is related to the fourth number in the same way as the first number is related to the second number and the fifth number is related to the sixth number.

12 : 136 :: ? : 188 :: 24 : 568

- (1) 26 (2) 32
(3) 14 (4) 41

[24 AUG. 2021: SHIFT-3]

132. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

45 9 3
122 10 12
116 6 ?

- (1) 16 (2) 12
(3) 10 (4) 14

[24 AUG. 2021: SHIFT-3]

133. Select the option that is related to the third word in the same way as the second word is related to the first word.

Libya : Tripoli :: Ireland : ?

- (1) Moscow (2) Dublin
(3) Oslo (4) Madrid

[24 AUG. 2021: SHIFT-3]

134. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

23 32 16
3 4 5
72 132 ?

(1) 162

(2) 80

(3) 88

(4) 85

[24 AUG. 2021: SHIFT-3]

135. Select the option that is related to the fourth number in the same way as the first number is related to the second number.

21 : 693 :: ? : 792

- (1) 26 (2) 36
(3) 24 (4) 22

[24 AUG. 2021: SHIFT-3]

136. Select the option in which the words share the same relationship as that shared by the given pair of words.

Golf : Course

- (1) Judo : Arena (2) Baseball : Rink
(3) Cycling : Velodrome (4) Ring : Boxing

[12 APRIL 2022: SHIFT-2]

137. Study the given pattern carefully and select the number from among the given options that can replace the question mark (?) in it.

18 24 19
7 8 9
8 11 14
17 ? 14

- (1) 15 (2) 21
(3) 38 (4) 30

[12 APRIL 2022: SHIFT-2]

138. Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.

3 : 17 : 6 :: ? : 9 : 47

- (1) 34 (2) 36
(3) 38 (4) 32

[12 APRIL 2022: SHIFT-2]

139. Select the option that is related to the third term in the same way as the second term is related to the first term.

UPRIGHT : PUVKTH :: DESTROY : ?

- (1) EDWPVYO (2) EDPXNYO
(3) EDWWUY (4) DEWPVOY

[18 APRIL 2022: SHIFT-1]

140. Select the option that is related to the third term in the same way as the second term is related to the first term.

HARMONY : BMLGUDK :: RESOLVE : ?

- (1) OVEJUVH (2) VEDIVHU
(3) VOEIUVH (4) EVOJHVU

[18 APRIL 2022: SHIFT-1]

141. Study the given matrix carefully and select the number from among the given options that can replace the question mark (?) in it.

12	8	100
18	6	111
15	4	?

- (1) 62 (2) 78
(3) 108 (4) 102

[18 APRIL 2022: SHIFT-1]

142. Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.

21 : 112 : 36 : 7 : 51 : 272

- (1) 252 (2) 192
(3) 72 (4) 198

[21 APRIL 2022: SHIFT-3]

143. Select the option that is related to the third number in the same way as the second number is related to the first number.

18 : 10 :: 24 : ?

- (1) 13 (2) 17
(3) 12 (4) 29

[21 APRIL 2022: SHIFT-3]

144. Study the given matrix carefully and select the number from among the given options that can replace the question mark (?) in it.

13	6	75
15	8	?
18	4	70

- (1) 76 (2) 116
(3) 84 (4) 96

[21 APRIL 2022: SHIFT-3]

145. Select the option that is related to the third term in the same way as the second term is related to the first term.

CANOPY : DCQSUE :: TONSIL : ?

- (1) UQQXOR (2) UQQWNR
(3) UQRVNR (4) URQWNS

[5 DEC. 2022: SHIFT-2]

146. Select the set in which the numbers are related in the same way as are the numbers of the following set.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 - Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing

mathematical operations on 1 and 3 is NOT allowed).

(5 : 25 : 30)

(16 : 256 : 272)

- (1) (15 : 225 : 230) (2) (9 : 81 : 109)
(3) (19 : 361 : 381) (4) (13 : 169 : 182)

[5 DEC. 2022: SHIFT-2]

147. Select the option that is related to the fourth term in the same way as the first term is related to the second term and the fifth term is related to the sixth term.

729 : 90 :: ? : 56 :: 512 : 72

- (1) 323 (2) 343
(3) 352 (4) 335

[5 DEC. 2022: SHIFT-2]

148. Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.

17 : 4607 :: 11 : ? :: 23 : 11615

- (1) 1440 (2) 1572
(3) 1463 (4) 1199

149. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

AREA : BRFA :: BABY : CACY :: GOLD : ?

- (1) IOMD (2) HOME
(3) HOMD (4) HOND

[5 DEC. 2022: SHIFT-2]

150. Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/numbers of consonants/vowels in the word)

Race : Track

- (1) Athletics : Stadium (2) Cart : Wheel
(3) Wrestling : Court (4) Exercise : Course

[8 DEC. 2022: SHIFT-1]

151. Select the option that is related to the fourth term in the same way as the first term is related to the second term and the fifth term is related to the sixth term.

11 : 31 :: ? : 25 :: 14 : 40

- (1) 8 (2) 10
(3) 7 (4) 9

[8 DEC. 2022: SHIFT-1]

152. Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters / number of consonants / vowels in the word.)

Lethargy : Alertness :: Gentle : ?

- (1) Destroy (2) Kind
(3) Annoying (4) Harsh

[8 DEC. 2022: SHIFT-1]

153. Select the set in which the numbers are related in the same way as are the numbers of the following set.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13-Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed).

(24, 9, 21)

(34, 16, 33)

- (1) (34, 8, 28) (2) (53, 6, 34)
(3) (43, 17, 41) (4) (42, 9, 30)

[8 DEC. 2022: SHIFT-1]

154. Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.

76 : 11 :: 88 : ? :: 68 : 9

- (1) 12 (2) 14
(3) 18 (4) 15

[8 DEC. 2022: SHIFT-1]

155. Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Lake : Land :: Island : ?

- (1) Plains (2) Water
(3) Hills (4) Dessert

[13 DEC. 2022: SHIFT-3]

156. Study the given pattern carefully and select the number that can replace the question mark (?) in it.
First row - 12, 7, 32
Second row-17, 13, 33
Third row - 14, 8, ?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13-Operations on 13 such as adding/subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed)

- (1) 38 (2) 35
(3) 43 (4) 42

[13 DEC. 2022: SHIFT-3]

157. Select the option that is related to the third word in the same way as the second word is related to the first word.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)

Flock : Birds :: Swarm : ?

- (1) Rain (2) Bees
(3) Trees (4) Flowers

[13 DEC. 2022: SHIFT-3]

158. Select the option that is related to the fourth term in the same way as the first term is related to the second term and the fifth term is related to the sixth term.

8 : 48 :: ? : 143 :: 15 : 195

- (1) 13 (2) 17
(3) 19 (4) 11

[13 DEC. 2022: SHIFT-3]

159. Select the set in which the numbers are related in the same way as are the numbers of the following set.

(5, 2, 23)

(6, 2, 34)

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13-Operations on 13 such as adding/subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed)

- (1) (3, 3, 3) (2) (3, 2, 9)
(3) (3, 5, 11) (4) (3, 2, 7)

[13 DEC. 2022: SHIFT-3]

160. Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Drama : Stage :: Trial : ?

- (1) Police station (2) Jail
(3) Platform (4) Court

[14 JULY 2023: SHIFT-4]

161. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /Subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(49, 63, 441)

(7, 14, 14)

- (1) (7, 28, 35) (2) (14, 28, 56)
(3) (7, 14, 45) (4) (12, 18, 324)

[14 JULY 2023: SHIFT-4]

162. Select the option that is related to the third word in the same way as the second word is related to the first word.

(The words must be considered as meaningful English words and must NOT be related to each other based on the number of letters/number of consonants/vowels in the word)

Ophthalmology : Eyes :: Dermatology : ?

- (1) Nerves (2) Skin
(3) Bones (4) Brain

[14 JULY 2023: SHIFT-4]

163. Select the set in which the numbers are related in the same way as the numbers of the given sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(4, 6, 8)

(6, 8, 10)

- (1) (2, 12, 8) (2) (8, 12, 16)
(3) (5, 30, 10) (4) (18, 18, 16)

[14 JULY 2023: SHIFT-4]

164. Select the option that is related to the third word in the same way as the second word is related to the first word.

(The words must be considered as meaningful English words and must not be related to each other

based on the number of letters/number of consonants/vowels in the word.)

Tortoise : Hatchling :: Rabbit : ?

- (1) Shoat (2) Kitten
(3) Piglet (4) Calf

[14 JULY 2023: SHIFT-4]

165. Select the set in which the numbers are related in the same way as are the numbers of the following sets. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(15, 20, 4)

(30, 30, 3)

- (1) (44, 187, 44) (2) (30, 190, 15)
(3) (35, 120, 19) (4) (60, 400, 20)

[14 JULY 2023: SHIFT-4]

166. Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.

175 : 210 :: 310 : 372 :: 295 : ?

- (1) 362 (2) 354
(3) 348 (4) 340

[19 JULY 2023: SHIFT-2]

167. Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.

243 : 9 :: 72 : 6 :: 576 : ?

- (1) 12 (2) 18
(3) 24 (4) 14

[19 JULY 2023: SHIFT-2]

168. Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.

284 : 142 : 568 : 284 : 1136 : ?

- (1) 568 (2) 567
(3) 566 (4) 569

[19 JULY 2023: SHIFT-2]

169. Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

Auger : Bore

- (1) Axe : Grind (2) Plier : Carve
(3) Spanner : Dig (4) Needle : Sew

[19 JULY 2023: SHIFT-2]

170. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

ADOPT : DAOTP :: FINAL : IFNLA :: HUMOR : ?

- (1) UOHMR (2) UHMRO
(3) UHOMR (4) UHMOR

[19 JULY 2023: SHIFT-2]

171. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

CROWN : OYRVH :: TABLE : FNEEY :: UNREAL : ?

- (1) LAERNU (2) NDHVSA
(3) NCHUSB (4) MCHVSA

[19 JULY 2023: SHIFT-2]

172. Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.

15 : 52 :: 33 : _____ :: 22 : 73

- (1) 121 (2) 122
(3) 106 (4) 111

[19 JULY 2023: SHIFT-2]

173. Select the set in which the numbers are related in the same way as are the numbers of the given set.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(4, 25, 6)

(3, 28, 9)

(1) (4, 17, 6) (2) (2, 17, 8)

(3) (3, 17, 9) (4) (4, 17, 8)

[19 JULY 2023: SHIFT-2]

174. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /Subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(100, 2, 150)

(50, 5, 240)

(1) (10, 8, 98)

(2) (14, 16, 8)

(3) (10, 5, 200)

(4) (16, 8, 126)

[24 JULY 2023: SHIFT-3]

175. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

(2, 2, 4)

(1, 6, 6)

(7, 2, ?)

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13-Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(1) 14

(2) 2

(3) 7

(4) 12

[24 JULY 2023: SHIFT-3]

176. 'Poor' is related to 'Destitute' in the same way as 'Rich' is related to; '_____ '.

(1) Powerful

(2) Affluent

(3) Meagre

(4) Strong

[24 JULY 2023: SHIFT-3]

177. Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.

29 : 111 : 72 : ? : 36 : 139

(1) 283

(2) 231

(3) 213

(4) 238

[24 JULY 2023: SHIFT-3]

178. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

LEAP : PALE :: FJUL : LUFJ :: EGIB : ?

(1) GEBI

(2) BIEG

(3) IBEG

(4) BEIG

[24 JULY 2023: SHIFT-3]

179. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13-Operations on 13 such as adding /Subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(121, 81, 2)

(88, 54, 2)

(1) (13, 5, 9)

(2) (78, 6, 45)

(3) (31, 56, 98)

(4) (77, 18, 5)

[24 JULY 2023: SHIFT-3]

180. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

CHOSEN : DIPTFO :: COPPER : DPQQFS :: BOTTLE : ?

(1) CPUVMF

(2) CPUUMF

(3) CPTUMF

(4) COYYNF

[24 JULY 2023: SHIFT-3]

181. Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.

45 : 15 :: 20 : 10 :: 125 : ?

(1) 20

(2) 25

(3) 28

(4) 24

[18 SEPT 2024: SHIFT -3]

182. Select the word pair that best represents a similar relationship to the one expressed in the pair of words given below. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Control: Domination

(1) Creation: Destruction

(2) Liberation: Slavery

(3) Descend: Fall

(4) Manipulation: Deceive

[18 SEPT 2024: SHIFT -3]

183. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(21, 504, 8)

(15, 270, 6)

(1) (16, 320, 5)

(2) (23, 230, 5)

(3) (17, 272, 8)

(4) (16, 336, 7)

[18 SEPT 2024: SHIFT -3]

184. Select the option that is related to the fifth number in the same way as the second number is related to

the first number and the fourth number is related to the third number.

10 : 110 :: 7 : 56 :: 9 : ?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(1) 90

(2) 91

(3) 85

(4) 81

[18 SEPT 2024: SHIFT -3]

185. 40 is related to 53 following certain logic. Following the same logic, 8 is related to 13. To which of the following numbers is 68 related, following the same logic? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(1) 84

(2) 85

(3) 83

(4) 73

[23 SEP. 2024: SHIFT-1]

186. 12 is related to 235 by certain logic. Following the same logic, 14 is related to 287. To which of the following is 18 related, following the same logic? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(1) 512

(2) 320

(3) 415

(4) 438

[23 SEP. 2024: SHIFT-1]

187. Select the triad in which the numbers are related in the same way as are the numbers of the given triads. (25, 22, 47), (31, 24, 55)

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

- (1) (22, 19, 45) (2) (18, 21, 39)
 (3) (27, 25, 42) (4) (17, 15, 22)

[23 SEP. 2024: SHIFT-1]

188. Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding/deleting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

40 : 123

63 : 192

- (1) 68 : 214 (2) 39 : 120
 (3) 46 : 131 (4) 48 : 152

[23 SEP. 2024: SHIFT-1]

189. Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

(The words must be considered as meaningful English words and must NOT be related to each other based on the number of letters/number of consonants/vowels in the word)

France : Gallic Rooster

- (1) New Zealand : Hornbill
 (2) Germany : Swan
 (3) Australia : Emu
 (4) India : Eagle

[26 SEP. 2024: SHIFT-2]

190. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13- Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(16, 7, 112)

(8, 12, 96)

- (1) (12, 5, 65) (2) (14, 9, 128)
 (3) (13, 7, 96) (4) (15, 8, 120)

[26 SEP. 2024: SHIFT-2]

191. Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number.

Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13- Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

48-50-46-52; 37-39-35-41

- (1) 21-23-29-27 (2) 19-17-21-25
 (3) 26-28-24-30 (4) 15-13-9-19

[26 SEP. 2024: SHIFT-2]

192. 'Conceal' is related to 'Disclose' in the same way as 'Identical' is related to (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)

- (1) Analogous (2) Homogeneous
 (3) Similar (4) Distinct

[26 SEP. 2024: SHIFT-2]

193. Select the set in which the numbers are related in the same way as are the numbers of the following set.

3 – 20 – 5

4 – 17 – 3

NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13- Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

- (1) 8 – 36 – 11 (2) 9 – 77 – 8
 (3) 11 – 28 – 5 (4) 5 – 28 – 9

[12 SEP. 2025: SHIFT-1]

194. In the following question, select the related word from the given alternatives.

Watt : Power :: Pascal : ?

- (1) Energy (2) Temperature
 (3) Pressure (4) Force

[12 SEP. 2025: SHIFT-1]

195. In the following question, select the related word from the given alternatives.

Mekong : Tibet :: Amazon : ?

- (1) Chile (2) Peru
(3) Colombia (4) Ecuador

[12 SEP. 2025: SHIFT-1]

196. Find the option that best completes the analogy.

AG : IO :: CM : ?

- (1) KO (2) KU
(3) KS (4) KW

[12 SEP. 2025: SHIFT-1]

197. In the following question, the second word is related to the first word by a specific pattern of letter transformation. Identify the same pattern and apply it to the third word to find the correct option that completes the analogy.

TIME : VJOG :: WORD : ?

- (1) YPTF (2) YQTG
(3) YPSF (4) ZPSF

[12 SEP. 2025: SHIFT-1]

198. In each of the following questions, a specific pattern such as reversal or rearrangement has been applied to the first word to get the second. Apply the same pattern to the third word and find the correct answer from the given options.

GNIDAER : READING :: NOITULOS : ?

- (1) SOLUTION (2) SOLUNOIT
(3) NOILOSUT (4) POLLUTION

[12 SEP. 2025: SHIFT-1]

199. In each of the following questions, the first word is coded to form the second word using a specific rearrangement and/or substitution rule. Apply the same rule to the third word to determine the correct corresponding word from the given alternatives.

AYRRJC : CATTLE :: NCPDCAR : ?

- (1) SUBJECTS (2) NEGLECT
(3) PERFECT (4) OPERATE

[13 SEP. 2025: SHIFT-1]

200. In the following question, select the related word from the given alternatives

Jurisprudence: Law :: Epistemology : ?

- (1) Reality (2) Logic
(3) Knowledge (4) Ethics

[13 SEP. 2025: SHIFT-1]

201. Find the option that best completes the analogy.

EK : MS :: FP : ?

- (1) ND (2) NL
(3) NX (4) NT

[13 SEP. 2025: SHIFT-1]

202. In each of the following questions, the second word is formed by rearranging the letters of the first word according to a specific pattern. Apply the same

pattern to the third word to determine the correct answer from the given alternatives. NUMBER: UNBMRE :: GHOSTS : ?

- (1) HGOSTS (2) HOGSTS
(3) HGSOST (4) HGSOTS

[14 SEP. 2025: SHIFT-1]

203. In the following question, select the related word from the given alternatives.

Clock : Time :: Thermometer : ?

- (1) Pressure (2) Speed
(3) Temperature (4) Distance

[14 SEP. 2025: SHIFT-1]

204. In the following question, select the related word from the given alternatives

Plaintiff : Complaint :: Petitioner : ?

- (1) Plea (2) Allegation
(3) Verdict (4) Petition

[14 SEP. 2025: SHIFT-1]

205. Find the group of letters that best completes the analogy. Use alphabetical positions and reverse position logic where necessary.

DINS: WRMH :: EKPT : ?

- (1) VJOG (2) VJNF
(3) VPKG (4) VJOF

[14 SEP. 2025: SHIFT-1]

206. In the following question, a pair of letters is given, followed by its corresponding product of alphabetical positions ($A = 1, B = 2, \dots, Z = 26$). A second pair of letters is given without its product. Identify the correct product for the second pair that maintains the same relationship as the first.

AxE : 1×5 :: DxK : ?

- (1) 3×9 (2) 4×11
(3) 5×10 (4) 4×12

[14 SEP. 2025: SHIFT-1]

207. In each of the following questions, a specific rearrangement pattern has been applied to the first word to form the second. Apply the same rearrangement to the third word and choose the correct answer from the given alternatives.

PRINTING : RPNIITGN :: PROTOCOL : ?

- (1) RPTOCOL (2) RPOTCOLO
(3) PRTOOCOL (4) RPTOCOLO

[14 SEP. 2025: SHIFT-1]

208. In each of the following questions, a word is transformed into another using a specific alphabetic pattern (such as letter shifting or substitution). Apply the same transformation to the third word to determine the correct answer from the given options.

HOUSE : GNTRD :: ? : KHFGS

- (1) SIGHT
(3) MIGHT

- (2) FIGHT
(4) LIGHT

[15 SEP. 2025: SHIFT-1]

209. In the following question, a pair of letters is given, followed by its corresponding product of alphabetical positions ($A = 1, B = 2, \dots, Z = 26$). A second pair of letters is given without its product. Identify the correct product for the second pair that maintains the same relationship as the first.

BxD : 2×4 :: G × J : ?

- (1) 6×11
(3) 8×9

- (2) 7×10
(4) 5×12

210. In the following question, a pair of letters is given, followed by its corresponding product of alphabetical positions ($A = 1, B = 2, \dots, Z = 26$). A second pair of letters is given without its product. Identify the correct product for the second pair that maintains the same relationship as the first.

NxP: 14×16 :: Exl : ?

- (1) 5×9
(3) 5×10

- (2) 6×9
(4) 6×8

Answer Key									
1	2	3	4	5	6	7	8	9	10
(3)	(1)	(1)	(3)	(3)	(2)	(4)	(2)	(4)	(1)
11	12	13	14	15	16	17	18	19	20
(1)	(2)	(3)	(2)	(4)	(4)	(2)	(1)	(2)	(2)
21	22	23	24	25	26	27	28	29	30
(4)	(3)	(1)	(1)	(1)	(1)	(3)	(2)	(4)	(2)
31	32	33	34	35	36	37	38	39	40
(1)	(2)	(4)	(1)	(2)	(1)	(2)	(2)	(3)	(2)
41	42	43	44	45	46	47	48	49	50
(2)	(3)	(2)	(3)	(3)	(1)	(2)	(3)	(2)	(4)
51	52	53	54	55	56	57	58	59	60
(1)	(2)	(3)	(3)	(3)	(3)	(2)	(3)	(3)	(1)
61	62	63	64	65	66	67	68	69	70
(2)	(1)	(3)	(1)	(1)	(4)	(4)	(3)	(2)	(1)
71	72	73	74	75	76	77	78	79	80
(4)	(2)	(3)	(3)	(3)	(4)	(2)	(4)	(1)	(2)
81	82	83	84	85	86	87	88	89	90
(1)	(2)	(4)	(1)	(1)	(4)	(2)	(1)	(2)	(2)
91	92	93	94	95	96	97	98	99	100
(2)	(1)	(3)	(1)	(3)	(2)	(4)	(2)	(3)	(2)
101	102	103	104	105	106	107	108	109	110
(3)	(1)	(1)	(2)	(3)	(1)	(1)	(1)	(1)	(1)
111	112	113	114	115	116	117	118	119	120
(1)	(3)	(3)	(2)	(2)	(4)	(1)	(4)	(3)	(3)
121	122	123	124	125	126	127	128	129	130
(2)	(1)	(1)	(4)	(3)	(2)	(1)	(3)	(2)	(4)
131	132	133	134	135	136	137	138	139	140
(3)	(4)	(2)	(4)	(3)	(3)	(2)	(4)	(1)	(2)
141	142	143	144	145	146	147	148	149	150
(1)	(2)	(1)	(2)	(2)	(4)	(2)	(4)	(3)	(1)
151	152	153	154	155	156	157	158	159	160
(4)	(4)	(4)	(2)	(2)	(1)	(2)	(1)	(4)	(4)

161	162	163	164	165	166	167	168	169	170
(2)	(2)	(2)	(2)	(4)	(2)	(1)	(1)	(4)	(2)
171	172	173	174	175	176	177	178	179	180
(4)	(3)	(2)	(4)	(1)	(2)	(1)	(2)	(4)	(2)
181	182	183	184	185	186	187	188	189	190
(2)	(4)	(4)	(1)	(2)	(3)	(2)	(2)	(3)	(4)
191	192	193	194	195	196	197	198	199	200
(3)	(4)	(2)	(3)	(2)	(2)	(1)	(1)	(3)	(3)
201	202	203	204	205	206	207	208	209	210
(3)	(3)	(3)	(4)	(3)	(2)	(4)	(4)	(2)	(1)

Solutions

1. Correct Answer is (3):

Identifying the Pattern in "ACEG: SUWY"

- A → S (Shift forward by 18)
- C → U (Shift forward by 18)
- E → W (Shift forward by 18)
- G → Y (Shift forward by 18)

Thus, the pattern follows a shift of +18 positions in the alphabet.

Applying the Same Pattern to "BDFH"

- B → T (Shift forward by 18)
- D → V (Shift forward by 18)
- F → X (Shift forward by 18)
- H → Z (Shift forward by 18)

Thus, "BDFH" maps to TVXZ.

From the given options, TVXZ corresponds to option: (3)TVXZ

2. Correct Answer is (1):

Identifying the Pattern in "M/AC : N/AD"

- The letters (M → N) are shifting forward by 1 in the alphabet.
- The denominators (AC → AD) also follow a pattern:
 - 'C' → 'D' (the second letter is shifting forward by 1).

Applying the Same Pattern to "O/AE"

- 'O' shifts forward by 1, becoming 'P'.
- 'AE' follows the same pattern: 'E' shifts forward by 1, becoming 'F'.

Thus, "O/AE" maps to P/AF.

From the given options, the correct one is: (1)P/AF

3. Correct Answer is (1):

We are given 5 : 27 and need to determine the corresponding number for 9 : ?.

Observing 5 → 27, let's check if there is a mathematical relationship:

$$5^2 + 2 = 25 + 2 = 27$$

Now applying the same rule to 9:

$$9^2 + 2 = 81 + 2 = 83$$

From the given options, the correct one is: (1) 83

4. Correct Answer is (3):

$$\text{As } 6 \times 2 - 1 = 11$$

Similarly,

$$11 \times 2 - 1 = 21$$

Correct answer is (3) 21

5. Correct Answer is (3):

We have ABE : 8 and need to determine KLO : ?.

Using the position of letters in the alphabet:

- A = 1, B = 2, E = 5
- Sum: 1 + 2 + 5 = 8

Now, applying the same to KLO:

- K = 11, L = 12, O = 15
- Sum: 11 + 12 + 15 = 38

From the given options, the correct one is: (3) 38

6. Correct Answer is (2):

We have Sty : Plg and need to determine Byre : ?.

- A Sty is a place where Pigs (Plg) are kept.
- A Byre is a place where Cows are kept.

From the given options, the correct one is: (2) Cow

7. Correct Answer is (4):

Let's analyze the given analogy: Patrol: Security

Identifying the Relationship

- Patrol ensures Security (Patrolling is done to maintain security).
- Insurance is taken to manage Risk.
- Just like Patrol ensures Security, Insurance helps mitigate Risk.

Thus, the correct answer is: (4) Risk

8. Correct Answer is (2):

Let's analyze the given letter analogy: ADBC: EHFG ::
ILJK : ?

Breaking it down letter by letter:

- $A \rightarrow E (+4)$
- $D \rightarrow H (+4)$
- $B \rightarrow F (+4)$
- $C \rightarrow G (+4)$

Thus, the pattern follows each letter shifting forward by 4.

Applying the Same Pattern to ILJK

- $I \rightarrow M (+4)$
- $L \rightarrow P (+4)$
- $J \rightarrow N (+4)$
- $K \rightarrow O (+4)$

Thus, ILJK $\rightarrow$ MPNO.

From the given options, the correct one is: (2) MPNO

9. Correct Answer is (4):

Let's analyze the given set of numbers: (6, 30, 90)

Observing the relationships:

- $6 \times 5 = 30$
- $30 \times 3 = 90$,

Checking the Options

Option (a): (6, 42, 86)

- $6 \times 7 = 42$, but 86 not multiple of 42 (Incorrect pattern)

Option (b): (7, 42, 218)

- $7 \times 6 = 42$, (Incorrect pattern)

Option (c): (6, 24, 70)

- $6 \times 4 = 24$ (Incorrect pattern)

Option (d): (8, 48, 192)

- $8 \times 6 = 48$, $48 \times 4 = 192$ (correct pattern)

Correct answer: (4): (8, 48, 192)

10. Correct Answer is (1):

Identify the pattern

First equation: 173 (24) 526

Sum of each digit:

- Sum: $1 + 7 + 3 + 5 + 2 + 6 = 24$

Second equation: 431 (18) 325

- Sum: $4 + 3 + 1 + 3 + 2 + 5 = 18$

Apply the same pattern to 253 (?) 471

- Sum: $2 + 5 + 3 + 4 + 7 + 1 = 22$

Final Answer: (1) 22

11. Correct Answer is (1):

Identify the pattern

Observing the results:

- $6 * 5 = 91$:

$$\text{As } 6 \times 5 = 30$$

$$30 \times 3 + 1 = 91$$

- $8 * 7 = 169$:

$$8 \times 7 = 56$$

$$56 \times 3 + 1 = 169$$

- $10 * 7 = 211$:

$$10 \times 7 = 70$$

$$70 \times 3 + 1 = 211$$

Apply the same pattern to $11 * 10$

$$11 \times 10 = 110$$

$$110 \times 3 + 1 = 331$$

Final Answer: (1) 331

12. Correct Answer is (2):

Let's analyze the pattern in the given number sequence:

Looking at the first column:

- $5 \rightarrow 16 \rightarrow 49$
- $9 \rightarrow 29 \rightarrow 89$
- $15 \rightarrow ? \rightarrow 147$

Observing the first column:

- $5 \times 3 + 1 = 16$
- $16 \times 3 + 1 = 49$

Observing the second column:

- $9 \times 3 + 2 = 29$
- $29 \times 3 + 2 = 89$

Observing the third column:

- $15 \times 3 + 3 = ?$
- $? \times 3 + 3 = 147$

Let x be the missing number.

$$x \times 3 + 3 = 147$$

$$x \times 3 = 144 \Rightarrow x = 48$$

Correct option: (2) 48.

13. Correct Answer is (3): The relationship in the analogy

"Fish: Scales" is that a fish is covered with scales.

Similarly, a bear is covered with fur.

14. Correct Answer is (2): The relationship in "Writer:

Pen" is that a writer uses a pen as a tool for their work.

Similarly, an artist uses a brush as a tool for their work.

15. Correct Answer is (4): The given word NUMERAL is

rearranged as UEALRMN, which is a jumbled form (anagram) of the original word.

To find the correct answer for ALGEBRA, we need to rearrange its letters in a similar jumbled manner.

Checking the options, the correct anagram of ALGEBRA is:

16. Correct Answer is (4):

Let's analyze the pattern in the given analogy:

BDAC : FHEG

- B → F (+4)
- D → H (+4)
- A → E (+4)
- C → G (+4)

Each letter shifts +4 positions in the alphabet.

Now, applying the same pattern to NPMO:

- N → R (+4)
- P → T (+4)
- M → Q (+4)
- O → S (+4)

17. Correct Answer is (2):

We are given the analogy:

FGHL : OPOR

BCDE : ?

Looking at each letter's transformation:

- F → O (Shift +9)
- G → P (Shift +9)
- H → O (Shift +7)
- L → R (Shift +6)

Thus, the shifts are: (+9, +9, +7, +6).

Apply the Same Pattern to BCDE

- B → K (+9)
- C → L (+9)
- D → M (+7)
- E → N (+6)

So, the correct Answer: (2) *KLMN*

18. Correct Answer is (1):

Identify the Pattern in PNLJ → IGEC

We compare corresponding letters:

- P → I (Shift back 7)
- N → G (Shift back 7)
- L → E (Shift back 7)
- J → C (Shift back 7)

So, each letter is shifted backward by 7 positions in the alphabet.

Now, we shift each letter back by 7:

- V → O
- T → M
- R → K
- P → I

Thus, the correct answer is (1) OMKI.

19. Correct Answer is (2):

We check if there is a mathematical relation between 17 and 60.

A possible pattern is: $n \rightarrow n \times 3 + 9$

For 17: $17 \times 3 + 9 = 51 + 9 = 60$

Apply the pattern to 20

$$20 \times 3 + 9 = 60 + 9 = 69$$

Thus, the correct answer is (2) 69.a

20. Correct Answer is (2):

Identify the Pattern in $6 \rightarrow 64$

Observing the numbers: $(6 + 2)^2 = 8^2 = 64$

Apply the Same Pattern to 11

$$(11 + 2)^2 = 13^2 = 169$$

Thus, the correct answer is (2) 169.

21. Correct Answer is (4):

Identify the Pattern in $123 \rightarrow 4$

$$12 \div 3 = 4$$

Apply the Same Pattern to 726

$$72 \div 6 = 12$$

Thus, the correct answer is (d) 12

22. Correct Answer is (3):

Let's analyze the given pattern:

with the results 126, 168, 216.

We need to identify the missing number (?) that fits this pattern.

Observing the numbers:

1. The numbers inside each group might be related through multiplication.
2. Checking the multiplication:
 - $2 \times 7 \times 9 = 126$
 - $7 \times 3 \times 8 = 168$
 - $9 \times 4 \times ? = 216$
3. Solving for ?:

$$9 \times 4 \times ? = 216$$

$$? = \frac{216}{9 \times 4} = 6$$

Thus, the missing number is 6.

Answer: (3) 6

23. Correct Answer is (1):

Here, the logic is $2x + 4$

$$2 \times 8 - 4 = 16 - 4 = 12$$

$$2 \times 6 - 4 = 12 - 4 = 8$$

24. Correct Answer is (1):

Here, the logic is

$$13 \rightarrow 1^2 = 1, 3^2 = 9 \rightarrow 19$$

$$21 \rightarrow 2^2 = 4, 1^2 = 1 \rightarrow 41$$

25. **Correct Answer is (1):** Eagle → Swoops (An eagle moves swiftly in the air.)

Duck → Waddles (A duck moves with a waddling motion on land.)

26. **Correct Answer is (1):**

$$A = 1, P = 16, P = 16, L = 12, E = 5$$

$$1 + 16 + 16 + 12 + 5 = 50$$

$$O = 15, R = 18, A = 1, N = 14, G = 7, E = 5$$

$$15 + 18 + 1 + 14 + 7 + 5 = 60$$

27. **Correct Answer is (3):**

The relationship in "**Accommodation: Rent**" is that **rent** is the cost paid for accommodation.

Similarly, for "**Journey: ?**", the cost paid for a journey is called "**Fare.**"

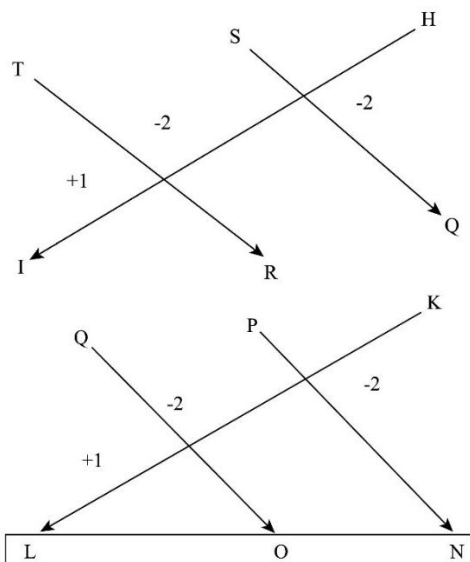
28. **Correct Answer is (2):**

The relationship in "Fire: Smoke" is that smoke is produced as a result of fire.

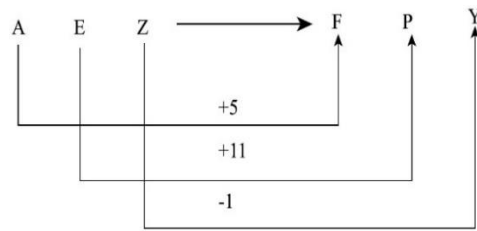
- (a) Children: School → No direct cause-effect relationship.
- (b) Cloud: Rain → Clouds cause rain.
- (c) Moon: Sky → The moon is in the sky, but it is not a result of the sky.
- (d) Shoe: Polish → A shoe does not produce polish.

29. **Correct Answer is (4):** Head: Brain, since the brain is an essential part of the head, just as a grenade and a gun belong to the category of weapons.

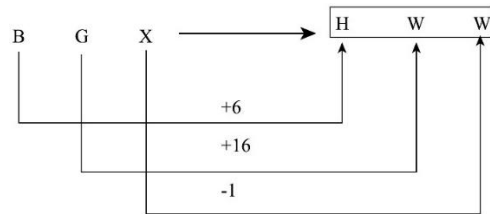
30. **Correct Answer is (2):**



31. **Correct Answer is (1):**



Similarly,



32. **Correct Answer is (2):**

P → G

E → F

A → D

R → N

Using letter representation with corresponding letters we get,

R → N

E → F

A → D

P → G

33. **Correct Answer is (4):**

$$1. (5 - 4) + (4 - 3) = 1 + 1 = 2$$

$$2. (6 - 0) + (5 - 1) = 6 + 4 = 10$$

$$3. (6 - 2) + (7 - 2) = 4 + 5 = 9$$

34. **Correct Answer is (1):**

$$16 \Rightarrow 2 + 2 = 4^2 = 16$$

$$9 \Rightarrow 3 + 0 = 3^2 = 9$$

$$81 \Rightarrow 1 + 8 = 9^2 = 81$$

$$64 \Rightarrow 4 + 4 = 8^2 = 64$$

35. **Correct Answer is (2):**

The relationship in the given analogy is "sound made by"

A horse makes a neigh sound.

Bells make a chime sound.

Thus, the correct answer is: (2) Chime

36. **Correct Answer is (1):**

A-E → A, B, **C**, D, E

R-V → R, S, **T**, U, V

B-F → B, C, **D**, E, F

F-J → F, G, **H**, I, J

So the correct answer is : CTDH

37. Correct Answer is (2):

The pattern followed in the given equation is:

1. $55 + 66 = 33$
 - Sum of digits: $5 + 6 = 11$
 - Multiply by 3: $11 \times 3 = 33$
2. $22 + 99 = 33$
 - Sum of digits: $2 + 9 = 11$
 - Multiply by 3: $11 \times 3 = 33$

Similarly, for $44 + 88$:

- Sum of digits: $4 + 8 = 12$
 - Multiply by 3: $12 \times 3 = 36$
- Thus, the correct answer is (b) 36

38. Correct Answer is (2):

The pattern followed here is:

$$\text{Column 1: } 3^2 + 5^2 + 1^2 = 9 + 25 + 1 \rightarrow 35$$

$$\text{Column 2: } 4^2 + 7^2 + 2^2 = 16 + 49 + 4 \rightarrow 69$$

Similarly,

$$\text{Column 3: } 6^2 + 3^2 + 7^2 = 36 + 9 + 49 \rightarrow 94$$

Hence, '94' is the correct answer

39. Correct Answer is (3):

The pattern followed here is:

$$3^{\text{rd}} \text{ number} = \sqrt{1^{\text{st}} \text{ number}} + \sqrt{2^{\text{nd}} \text{ number}}$$

$$\text{Column 1: } \sqrt{16} + \sqrt{25} = 4 + 5 = 9$$

$$\text{Column 2: } \sqrt{49} + \sqrt{36} = 7 + 6 = 13$$

Similarly

$$\text{Column 1: } \sqrt{64} + \sqrt{81} = 8 + 9 = 17$$

Thus the correct answer is 17

40. Correct Answer is (2):

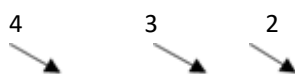
$$(19 - 18) = 1 \times 2 = 2$$

$$(34 - 32) = 2 \times 2 = 4$$

Similarly

$$(44 - 41) = 3 \times 2 = 6$$

Thus the correct answer is (2)

41. Correct Answer is (2):

$$36 \quad 2 \quad 100 \quad 7 \quad ? \quad 5$$

$$4 + 2 = 6^2 = 36$$

$$3 + 7 = 10^2 = 100$$

Similarly

$$2 + 5 = 7^2 = 49$$

Thus the correct answer is 49

42. Correct Answer is (3):

The following pattern is:

$$5 \times 2 + 1 = 11$$

$$11 \times 2 + 2 = 24$$

$$24 \times 2 + 3 = 51$$

$$51 \times 2 + 4 = 106$$

$$106 \times 2 + 5 = 217$$

Hence the correct answer is 217

43. Correct Answer is (2):

$$3917, 3526, ?, 2857$$

Each number is subtracted by its first three digits to get the next number.

$$1. \quad 3917 - 391 = 3526$$

$$2. \quad 3526 - 352 = 3174$$

$$3. \quad 3174 - 317 = 2857$$

Thus, the missing number is 3174.

Answer: (2) 3174

44. Correct Answer is (3):

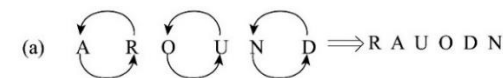
"Voyage" can cause "Sea sickness" for some people.

Similarly, "Heights" can cause "Giddiness" (a feeling of dizziness or vertigo).

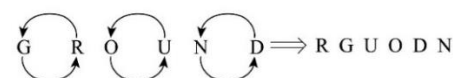
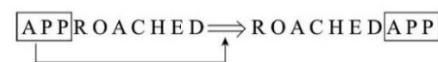
45. Correct Answer is (3):

A Waitress works in a Restaurant, just as a Teacher works in a School.

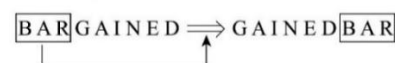
The relationship is based on the workplace of the profession.

46. Correct Answer is (1):

Similarly,

**47. Correct Answer is (2):**

Similarly,

**48. Correct Answer is (3):**

Here, the logic is

$$8 \times 8 = 64 \times 4 = 256 \quad (\text{Here, } \frac{8}{2} = 4)$$

$$10 \times 10 = 100 \times 5 = 500 \quad (\text{Here, } \frac{10}{2} = 5)$$

49. Correct Answer is (2):

Here,

$$\frac{27}{2} = 7$$

Similarly,

$$\frac{574}{x} = 7 \Rightarrow \frac{574}{7} = x \Rightarrow x = 82$$

50. Correct Answer is (4):

$$7 \times 8 \times 3 = 168$$

$$6 \times 6 \times 4 = 144$$

$$6 \times x \times 5 = 120$$

$$30x = 120$$

$$x = 4$$

51. Correct Answer is (1):

$$8^2 + 3^2 + 1^2 = 74$$

$$5^2 + 7^2 + 4^2 = 90$$

$$6^2 + 5^2 + 2^2 = 65$$

52. Correct Answer is (2): Here, logic is (Second number – first number = Third number)

- First group:** (22, 46, 24) $\Rightarrow 46 - 22 = 24$
- Second group:** (27, 58, 31) $\Rightarrow 58 - 27 = 31$
- Third group:** (32, 68, ?) $\Rightarrow 68 - 32 = 36$

53. Correct Answer is (3): Let's analyze the pattern in the diagram to find the missing number.

Checking a possible relationship using the center number 8:

- $2 \times 8 + 1 = 17$
- $17 \times 8 + 1 = 137$
- $137 \times 8 + 1 = 1097$
so the answer is: (3) 1097

54. Correct Answer is (3):

$$36 - 14 + 12 + 7 = 3$$

$$54 - 9 + 11 + 16 = 18$$

55. Correct Answer is (3):

- Pattern:** Notice that each row has numbers increasing by 2.
- Solution:** Following the pattern, the missing number is $11 + 2 = 15$.
- Answer:** (3) 15

56. Correct Answer is (3):

Let's analyze the given table and find the missing number.

3	2	2	-1	6	5
4	24	-2	4	0	?

We need to determine the relationship between the numbers in the first row and the second row.

Looking at the first two columns:

- $3 \times 4 = 12$, but 24 is given.
- $2 \times 12 = 24$, which matches.

Checking the next pair:

- $2 \times -1 = -2$ (Matches the second row)
- $-1 \times -4 = 4$ (Matches)

Next:

- $6 \times 0 = 0$ (Matches)

For the last column:

- $5 \times ? = ?$

Following the pattern, since the previous column used multiplication:

- $5 \times 1 = 5$, but it should match the second row.

Thus, the missing number should be 1.

Answer: (4) 1

57. Correct Answer is (2):

Let's analyze the given number pattern:

7	5	3
8	4	9
2	8	?

Below these numbers, we have: | 112 | 160 | 162 |

Observing how the bottom row values (112, 160, 162) relate to the three columns:

Column-wise calculations:

$$\text{1st column: } 7 \times 8 \times 2 = 112$$

$$\text{2nd column: } 5 \times 4 \times 8 = 160$$

$$\text{3rd column: } 3 \times 9 \times ? = 162$$

Solving for ?:

$$3 \times 9 \times ? = 162$$

$$27 \times ? = 162$$

$$? = \frac{162}{27} = 6$$

Final Answer: (2) 6

58. Correct Answer is (3):

The given analogy is:

Haematology: Blood :: Phycology: ?

Breaking it down:

- Haematology is the study of blood.
 - Phycology is the study of algae.
- Correct Answer: (3) Algae

59. Correct Answer is (3):

- A group of lions is called a pride.
- A group of cats is called a clowder.

Correct Answer: (c) Clowder

The correct analogy is: Pride of Lions :: Clowder of Cats

60. Correct Answer is (1):

The given analogy is: MAN : PDQ :: WAN : ?

Observing the pattern from MAN → PDQ, we analyze each letter's transformation:

1. M → P (Shift +3)
2. A → D (Shift +3)
3. N → Q (Shift +3)

Each letter is increased by +3 in alphabetical order.

Now, applying the same pattern to WAN:

1. W → Z (Shift +3)
2. A → D (Shift +3)
3. N → Q (Shift +3)

Thus, WAN → ZDQ.

Correct Answer: (1) ZDQ

61. Correct Answer is (2):

The given analogy is: AEFJ : KOPT :: ? : QUVZ

Observing the pattern from AEFJ → KOPT, we analyze each letter's transformation:

1. A → K (Shift +10)
2. E → O (Shift +10)
3. F → P (Shift +10)
4. J → T (Shift +10)

Each letter is increased by +10 in alphabetical order.

Now, applying the same pattern to find the missing word ? → QUVZ:

1. ? → Q (Shift +10 → G)
2. ? → U (Shift +10 → K)
3. ? → V (Shift +10 → L)
4. ? → Z (Shift +10 → P)

Thus, GKLP → QUVZ.

Correct Answer: (2) GKLP

62. Correct Answer is (1):

The given analogy is: 2 : 32 :: 3 : ?

Observing the pattern in the first pair: $2^5 = 32$

Now, applying the same pattern for 3: $3^5 = 243$

Correct Answer: 243

63. Correct Answer is (3):

The given analogy is: D × H : 4 × 8 :: M × Q : ?

Observing the pattern in D × H → 4 × 8:

1. D is the 4th letter of the alphabet.
2. H is the 8th letter of the alphabet.

Now, applying the same pattern to M × Q:

1. M is the 13th letter of the alphabet.
2. Q is the 17th letter of the alphabet.

Thus, M × Q → 13 × 17.

Correct Answer: (3) 13 × 17

64. Correct Answer is (1):

A **donkey brays** (the sound it makes).

A **monkey chatters** (the typical sound it produces).

Other options:

- **Trumpets** → Elephants
- **Bellows** → Cows or Bulls
- **Grunts** → Pigs

Thus, the best match is **Chatters**.

65. Correct Answer is (1):

ABDE → FGJI

A → F (+5) , B → G (+5) , D → I (+5) , E → J (+5)

Each letter is shifted forward by +5.

Applying the Same Pattern to IJLM

I → N (+5) , J → O (+5) , L → Q (+5) , M → R (+5)

Thus, IJLM → NOQR.

66. Correct Answer is (4):**67. Correct Answer is (4):**

$$17 + 17 \Rightarrow 2895$$

$$\Rightarrow 17 \times 17 = 289$$

$$\Rightarrow 289 \Rightarrow 2895$$

$$18 + 18 \Rightarrow 3245$$

$$\Rightarrow 18 \times 18 = 324$$

$$\Rightarrow 324 \Rightarrow 3245$$

$$19 + 19 \Rightarrow 3615$$

$$\Rightarrow 19 \times 19 = 361$$

$$\Rightarrow 361 \Rightarrow 3615$$

Similarly,

$$23 + 23 = ?$$

$$\Rightarrow ? = 23 \times 23 = 529$$

$$\Rightarrow ? = 529 \Rightarrow 5295$$

68. Correct Answer is (3):

We have sets of three numbers in each group:

1st group: 27, 1, 8

2nd group: 216, 64, 125

3rd group: 729, 343, ?

Observing the numbers:

- $27 = 3^3$, $1 = 1^3$, $8 = 2^3$
 - $216 = 6^3$, $64 = 4^3$, $125 = 5^3$
 - $729 = 9^3$, $343 = 7^3$, and the missing number should follow the same pattern.
- From the pattern, the missing number should be $8^3 = 512$.

69. Correct Answer is (2): The relationship in the given analogy is that fingers are part of a hand. Similarly, the correct answer should be something that is a part of feet.

Out of the given options:

1. Nails – Not exclusive to feet, as nails are present on both hands and feet.
2. Toes – Toes are the equivalent of fingers for feet.
3. Ankle – The ankle is connected to the foot but is not a part of it.
4. Heels – A part of the foot, but not analogous to fingers.

The best choice is: (2) TOES, as toes are to feet what fingers are to hands.

70. Correct Answer is (1):

To determine the pattern in the given analogy:

OOQR → QQST

UUWX → ?

Looking at the letters:

- O → Q (Shift forward by 2)
- O → Q (Shift forward by 2)
- Q → S (Shift forward by 2)
- R → T (Shift forward by 2)

So, the transformation follows a (+2 shift for each letter).

Apply the same pattern to "UUWX"

- U → W (+2)
- U → W (+2)
- W → Y (+2)
- X → Z (+2)

Thus, UUWX transforms into WWYZ.

The correct answer is: (1) WWYZ

71. Correct Answer is (4):

Let's analyze the pattern in the given number pair:

342 → 453

Observing the transformation:

- 3 → 4 (+1)
- 4 → 5 (+1)
- 2 → 3 (+1)

Each digit is increased by 1.

Apply the same pattern to 831

- 8 → 9 (+1)
- 3 → 4 (+1)
- 1 → 2 (+1)

Thus, 831 → 942.

The correct answer is: (4) 942

72. Correct Answer is (2):

Let's look at the examples:

- In the first equation, the numbers are 8, 7, 6. If we subtract 1 from each, we get:

- 8 becomes 7
- 7 becomes 6
- 6 becomes 5

Forming the number 765.

- In the second equation, the numbers are 5, 3, 2. Subtracting 1 from each gives:

- 5 becomes 4
- 3 becomes 2
- 2 becomes 1

Forming the number 421.

Thus, the pattern is to subtract 1 from each digit of the numbers on the left-hand side.

For the unsolved equation, $9 \times 6 \times 4$:

- 9 becomes 8
- 6 becomes 5
- 4 becomes 3

This forms 853, which corresponds to option (2)

73. Correct Answer is (3):

Let's analyze the given numbers in a structured way:

Observing the pattern for each column:

- First column:
 $6 \times 8 + 3 = 48 + 3 = 51$
- Second column:
 $15 \times 4 + 5 = 60 + 5 = 65$
- Third column:
 $20 \times 5 + 20 = 100 + 20 = 120$

Thus, the missing term is 120, which corresponds to option (3) 120.

74. Correct Answer is (3):

The relationship between **Medicine** and **Patient** is that medicine is given **to a patient** for treatment. Similarly, **Education** is provided **to a student** for learning.

Answer: (3) Student

75. Correct Answer is (3):

Let's analyze the pattern in **LAMP** → **IXJM** and apply it to **FISH** → ?.

Observing the letter shifts:

- L → I (Shift -3)
- A → X (Shift -3)
- M → J (Shift -3)
- P → M (Shift -3)

Each letter is shifted **backward by 3 places** in the alphabet.

Now applying the same pattern to **FISH**:

- F → C (-3)
- I → F (-3)

- $S \rightarrow P$ (-3)
 - $H \rightarrow E$ (-3)
- Thus, **FISH** $\rightarrow$ **CFPE**.
Answer: (3) CFPE

76. Correct Answer is (4):

(Number $\times 2$) - 6 = 2nd number

$$(13 \times 2) - 6 = 20$$

Similarly

$$(17 \times 2) - 6 = 28$$

So, the correct answer is (4) 28.

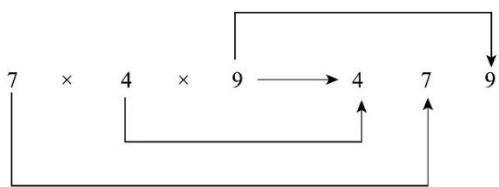
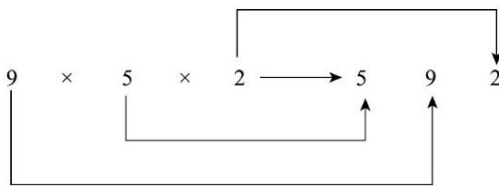
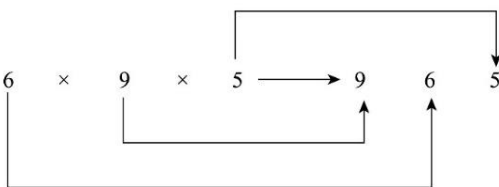
77. Correct Answer is (2):

Looking at the patterns:

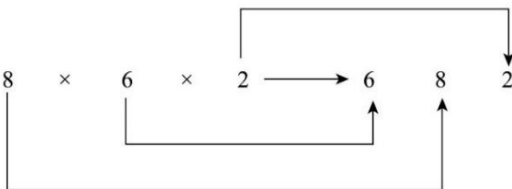
- (7, 4, 9) $\rightarrow$ 479
- (9, 5, 2) $\rightarrow$ 592
- (6, 9, 5) $\rightarrow$ 965

For $8 \times 6 \times 2$, arranging the digits in the same pattern, we get **682**.

- (8, 6, 2) $\rightarrow$ **682**



Therefore,



78. Correct Answer is (4):

The pattern followed here is:

$$3^{\text{rd}} \text{ number} = \left(\frac{2^{\text{nd}} \text{ number}}{2} \right) + 1^{\text{st}} \text{ number}$$

In first column

$$15 = \frac{16}{2} + 7 = 8 + 7 = 15$$

In third column

$$9 = \frac{8}{2} + 5 = 9$$

Similarly

$$? = \frac{40}{2} + 10 = 30$$

So, the correct answer is (4) 30.

79. Correct Answer is (1):

The analogy is:

Car : Road :: Ship : ?

A car travels on a road. A ship travels on water.

Therefore, the answer is: (1) Water

80. Correct Answer is (2):

the initial pattern: GLOW : FJNU

- G to F = -1
- L to J = -2
- O to N = -1
- W to U = -2

So the pattern alternates between -1 and -2. Applying this to PTEL:

- P - 1 = O
- T - 2 = R
- E - 1 = D
- L - 2 = J

This gives us ORDJ, which is option (2).

Therefore, the answer is: **(2) ORDJ**

81. Correct Answer is (1):

Let's analyze the given number pair **5:124** and identify the pattern.

Observing the numbers: 5:124

One common pattern is using cubes:

$$5^3 - 1 = 125 - 1 = 124$$

Now, applying the same logic to **6: ?**:

$$6^3 - 1 = 216 - 1 = 215$$

Thus, the correct answer is **(1) 215**.

82. Correct Answer is (2):

Following pattern is:

We need to identify the pattern to determine the missing number.

$$(1^{\text{st}} \text{ number} \times 2^{\text{nd}} \text{ number} \times 3^{\text{rd}} \text{ number}) + 3 = 4^{\text{th}} \text{ number}$$

1. In **Column 1**, $(7 \times 2 \times 8) + 3 = 112 + 3 = 115$,
2. In **Column 2**, $(6 \times 5 \times 9) + 3 = 270 + 3 = 273$
3. In **Column 3**, $(3 \times 1 \times 4) + 3 = 12 + 3 = 15$

So, the missing number is 15.

Therefore, the correct number to complete the series in Column 3 is **15**.

83. Correct Answer is (4):

The given analogy is:

Office: Colleagues → This means that in an office, you have colleagues.

Now, we need to find a similar relationship for **Home:?**

At home, the most relevant relationship is with **Family**.

Correct answer: (4) Family.

84. Correct Answer is (1):

Here's the pattern and how to solve it:

- **XVT: RPN** means that to get from XVT to RPN, each letter is reduced by 6 places in the alphabet[2].
 - $X - 6 = R$
 - $V - 6 = P$
 - $T - 6 = N$
 - Applying the same logic to **LJH**:
 - $L - 6 = F$
 - $J - 6 = D$
 - $H - 6 = B$
 - Therefore, **LJH : FDB**
- The answer is **(1) FDB**

85. Correct Answer is (1):

Let's analyze the pattern in the given number pair:

0.04 : 0.2

- $\sqrt{0.04} = 0.2$
- Similarly, applying the same pattern to **0.09**:
- $\sqrt{0.09} = 0.3$

Correct answer: (1) 0.3.

86. Correct Answer is (4):

The pattern is:

$$a @ b = (a + b) * 10$$

Let's verify with the given examples:

- $5 @ 1 = (5 + 1) * 10 = 6 * 10 = 60$ (Correct)
 - $12 @ 8 = (12 + 8) * 10 = 20 * 10 = 200$ (Correct)
 - $16 @ 2 = (16 + 2) * 10 = 18 * 10 = 180$ (Correct)
- Now, let's apply this to find the value of $16 @ 10$:
- $$16 @ 10 = (16 + 10) * 10 = 26 * 10 = 260$$
- Hence answer is 260

87. Correct Answer is (2):

In row 3rd number = 1st number – 2nd number

In 3rd row $103 - 78 = 25$

In 2nd row $87 - 78 = 9$

In 1st row $104 - ? = 57, ? = 104 - 57 = 47$

Hence, 47 is the correct answer."

88. Correct Answer is (1):

The relationship here is based on the component used to control the vehicle.

A car is controlled using a steering wheel.

Similarly, a motorcycle is controlled using a handlebar.

Therefore, the correct answer is: (4) Handlebar

89. Correct Answer is (2):

Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

The logic followed here is:

5	6	7	
E	F	G	
↓	↓	↓	(Opposite)
V	U	T	
22	21	20	
Similarly			
10	9	8	
J	I	H	
↓	↓	↓	
Q	R	S	
17	18	19	

So JIH is related to (2) QRS

90. Correct Answer is (2):

The pattern followed here is:

$$0.02 / 10 = 0.0002$$

Similarly

$$(1/3) / 10 = 1/30$$

So the correct answer is (2) 3/10

91. Correct Answer is (2):

The logic followed here is

$$(x + y) / 2.$$

$$(9+3)/2=6$$

$$(15+3)/2=9$$

$$(60+4)/2=32$$

$$(27+3)/2=15$$

Therefore, the value of $27 \# 3 = 15$

The answer is (2) 15.

92. Correct Answer is (1):

Logic: Number in second row $\times$ Number in third row
= Number in first row

Second column:

$$\rightarrow 23 \times 13 = 299$$

Third column:

$$\rightarrow 29 \times 17 = 493$$

Similarly,

First column:

$$\rightarrow ? \times 7 = 91$$

$$\rightarrow ? = 91 / 7 = 13$$

Hence, the missing number in the table is 13.

93. Correct Answer is (3):

Given: JKLM $\rightarrow$ HLKO

We need to find the pattern in how each letter changes.

Comparing JKLM $\rightarrow$ HLKO letter by letter:

$$| J \rightarrow H | (-2) |$$

$$| K \rightarrow L | (+1) |$$

$$| L \rightarrow K | (-1) |$$

$$| M \rightarrow O | (+2) |$$

The pattern applied is: $(-2, +1, -1, +2)$.

We apply $(-2, +1, -1, +2)$ to PQRS:

$$| P \rightarrow N | (-2) |$$

$$| Q \rightarrow R | (+1) |$$

$$| R \rightarrow Q | (-1) |$$

$$| S \rightarrow U | (+2) |$$

Thus, the new letter cluster is NQRU.

Answer: (4) NQRU.

94. Correct Answer is (1):

95. Correct Answer is (3):

Let's first analyze the relationship between the numbers in the set (12, 16, 28).

- $12 \rightarrow 4 \times 3$.
- $16 \rightarrow 4 \times 4$.
- $28 \rightarrow 4 \times 7$.

Now, let's check the other sets.

1. (20, 25, 35)

- $20 \rightarrow 5 \times 4$.
- $25 \rightarrow 5 \times 5$.
- $35 \rightarrow 5 \times 7$.

So, this set is not similar to the original one.

2. (9, 15, 21)

- $9 \rightarrow 3 \times 3$.
- $15 \rightarrow 3 \times 5$.

$$- 21 \rightarrow 3 \times 7.$$

- This is not similar to the original set.

3. (18, 24, 42)

- $18 \rightarrow 6 \times 3$.
- $24 \rightarrow 6 \times 4$.
- $42 \rightarrow 6 \times 7$.

- This is similar to the original set.

4. (36, 48, 77)

- $36 \rightarrow 6 \times 6$.
- $48 \rightarrow 6 \times 8$.
- $77 \rightarrow 7 \times 11$.

- This is different from the original set.

Final Answer: (3) (18, 24, 42)

96. Correct Answer is (2):

Let's analyze the given number pair: 28:63

Identify the relationship

- Possible pattern:

$$- 28 = 2^2 \times 7$$

$$- 63 = 3^2 \times 7$$

- The structure seems to involve square numbers and a common factor.

Now, let's check the answer choices:

1. 48:98

$$- 48 = 2^4 \times 3$$

$$- 98 = 2 \times 7^2$$

- No clear pattern similar to (28:63).

2. 16:36

$$- 16 = 2^4$$

$$- 36 = 3^2 \times 2^2$$

- Similar structure: one number is a square and the other has squares in its factorization.

- Possible correct answer.

3. 36:78

$$- 36 = 2^2 \times 3^2$$

$$- 78 = 2 \times 3 \times 13$$

- Not following the pattern.

4. 12:28

$$- 12 = 2^2 \times 3$$

$$- 28 = 2^2 \times 7$$

- Does not match the pattern.

The best match for the relationship in 28:63 is (2) 16:36.

97. Correct Answer is (4):

Dumbness refers to the lack or loss of speech. Similarly, the correct answer should refer to the lack or loss of memory.

Among the given options:

1. Illusion – A false perception, not related to memory loss.
 2. Thoughtlessness – A lack of consideration, not related to memory loss.
 3. Recognition – The ability to identify something, opposite of memory loss.
 4. Amnesia – The loss of memory.
- Correct answer: (4) Amnesia

98. Correct Answer is (2):

Let's analyze the given number set: (15, 22, 31).

- Differences between consecutive numbers:
 - $22 - 15 = 7$
 - $31 - 22 = 9$
 - The pattern in differences: +7, +9 (increasing differences).
- Now, let's check the answer choices:
1. (23, 30, 40)
 - $30 - 23 = 7$
 - $40 - 30 = 10$
 - Difference pattern: +7, +10 (not matching +7, +9).
 2. (7, 14, 23)
 - $14 - 7 = 7$
 - $23 - 14 = 9$
 - Difference pattern: +7, +9 (matches the given set).
 3. (11, 18, 29)
 - $18 - 11 = 7$
 - $29 - 18 = 11$
 - Difference pattern: +7, +11 (not matching +7, +9).
 4. (5, 11, 20)
 - $11 - 5 = 6$
 - $20 - 11 = 9$
 - Difference pattern: +6, +9 (not matching +7, +9).
- The correct set following the same pattern (+7, +9) is (2) (7, 14, 23).

99. Correct Answer is (3):

The relationship between 19 and 400 is: $19^2 = 361$ and then $361 + 39 = 400$.

Following the same logic for 24:

$$24^2 = 576, 576 + 49 = 625.$$

So, the number related to 24 in the same way as 400 is 625.

The correct answer is (3) 625.

- 100. Correct Answer is (2):** The relationship between "ACCIDENT" and "TNEDICCA" is that the word is reversed.
- Similarly, the word "PASSENGER" when reversed becomes "REGNESSAP".

Thus, the answer is REGNESSAP.

The correct answer is (2) REGNESSAP.

101. Correct Answer is (3):

The given word-pair is: School : Student
Understanding the Relationship

- A school is a place where students study and learn.
- The relationship is "place : person associated with it" (learner/recipient of service).

Analyzing the Options:

1. Court : Judge
 - A judge works in a court, but a court is not primarily for judges—it's for legal proceedings.
 - The relationship is not the same as School: Student.
 2. College : Teacher
 - A college has teachers, but the primary focus of a college is students, not teachers.
 - The relationship does not match.
 3. Hospital : Patient
 - A hospital is a place where patients go for treatment, just like a school is a place where students go to study.
 - The relationship matches perfectly (place : person receiving service).
 4. Hotel : Chef
 - A chef works in a hotel, but a hotel primarily serves guests, not chefs.
 - The relationship does not match.
- Correct Answer: (3) Hospital : Patient

102. Correct Answer is (1):

Let's analyze the pattern between AFKP → BGLQ, and apply it to GLQV → ?.

Comparing each letter in AFKP and BGLQ:

- A → B (+1)
- F → G (+1)
- K → L (+1)
- P → Q (+1)

Each letter is shifted +1 forward in the alphabet.

Applying the Same Pattern to GLQV

- G → H (+1)
- L → M (+1)
- Q → R (+1)
- V → W (+1)

Thus, GLQV → HMRW.

The correct option is (1) HMRW .

- 103. Correct Answer is (1):** Diabetes is related to Insulin because it is caused by a deficiency or dysfunction of insulin. Similarly, Anemia is commonly caused by a

deficiency of Iron, which is necessary for hemoglobin production in red blood cells.

So, the correct answer is: (1) Iron

104. Correct Answer is (2):

Let's analyze the given number pair:

$$961 \rightarrow 992$$

- $961 = 31^2$
- $992 = 961 + 31$

So, the pattern is:

$$n^2 \rightarrow n^2 + n$$

Now, applying the same pattern to 841:

- $841 = 29^2$
- Next number = $841 + 29 = 870$

Thus, the correct answer is: (2) 870

105. Correct Answer is (3): The relationship in China:

Beijing is that Beijing is the capital of China.

Now, let's analyze the given options:

1. Japan: Yen $\rightarrow$ (Incorrect, as Yen is the currency, not the capital.)
2. Sweden: Madrid $\rightarrow$ (Incorrect, because Madrid is the capital of Spain, not Sweden.)
3. Iraq: Baghdad $\rightarrow$ (Correct, because Baghdad is the capital of Iraq, just as Beijing is the capital of China.)
4. Dollar: USA $\rightarrow$ (Incorrect, because Dollar is the currency, not the capital.)

Thus, the correct answer is: (3) Iraq: Baghdad

106. Correct Answer is (1): Let's analyze the relationship between 4 and 67 and apply the same pattern to 8.

Observing a possible pattern:

$$4^3 + 3 = 64 + 3 = 67$$

Now applying the same pattern to 8:

$$8^3 + 3 = 512 + 3 = 515$$

Thus, the correct answer is: (1) 515

107. Correct Answer is (1):

Let's analyze the pattern in CDF $\rightarrow$ GHJ:

Observing the shifts in each letter:

1. C $\rightarrow$ G (+4)
2. D $\rightarrow$ H (+4)
3. F $\rightarrow$ J (+4)

Now applying the same pattern to KLN:

1. K $\rightarrow$ O (+4)
2. L $\rightarrow$ P (+4)
3. N $\rightarrow$ R (+4)

Thus, the correct answer is: (1) OPR

108. Correct Answer is (1): Let's analyze the pattern in the given set: (269, 278, 296).

- $269 \rightarrow 278$ (Difference = +9)
- $278 \rightarrow 296$ (Difference = +18)

The differences follow this pattern: +9, +18 (each time increasing by 9).

Check each option

1. (313, 322, 340)
 - $313 \rightarrow 322$ (+9)
 - $322 \rightarrow 340$ (+18) (Matches the pattern!)
2. (109, 118, 128)
 - $109 \rightarrow 118$ (+9)
 - $118 \rightarrow 128$ (+10) (Does not match)
3. (419, 430, 448)
 - $419 \rightarrow 430$ (+11)
 - $430 \rightarrow 448$ (+18) (Does not match)
4. (577, 586, 598)
 - $577 \rightarrow 586$ (+9)
 - $586 \rightarrow 598$ (+12) (Does not match)

The correct answer is (1) (313, 322, 340) since it follows the same +9, +18 pattern as the given set.

109. Correct Answer is (1): The relationship between Medicine and Disease is that medicine is used to cure or treat a disease.

Now, applying the same logic:

Food is used to satisfy or eliminate hunger.

Checking the options:

1. Hunger (Correct, because food eliminates hunger)
2. Energy (Food provides energy, but it does not "cure" energy)
3. Nutrition (Food contains nutrition, but it does not "cure" nutrition)
4. Thirst (Thirst is satisfied by water, not food)

The correct option is (1) Hunger.

110. Correct Answer is (1):

Let's analyze the given pattern:

$$12:72::18:?:?:22:242$$

Checking the relationship between 12 and 72:

$$12 \times 6 = 72$$

Checking the relationship between 22 and 242:

$$22 \times 11 = 242$$

1st term $\times$ it's half = 2nd term

Apply the pattern to 18

$$18 \times 9 = 162$$

Thus, the correct answer is: (1) 162