Q1. From the given alternatives, select the word which CANNOT be formed using the letters of the given word.
Information
(a) From
(b) Action
(c) Motion
(d) Norm

Q2. In a certain code language, "TRUMP" is written as "46321" and "GRAIN" is written as "76598". How is "GRUNT" written in that code language?
(a) 23684
(b) 23847
(c) 67834
(d) 76384

Q3. In a certain code language, '-' represents 'x', '÷' represents '+', '+' represents '÷' and 'x' represents '-'. Find out the answer to the following question.
2 x 12 ÷ 32 – 5 + 4 = ?
(a) 17
(b) 34
(c) 28
(d) 30

Q4. The following equation is incorrect. Which two signs should be interchanged to correct the equation?
14 + 8 ÷ 16 – 9 x 12 = 10
(a) + and ÷
(b) – and +
(c) + and x
(d) ÷ and x

Q5. If -3%1 = 3, 3%6 = -18 and -7%4 = 28, then find the value of -2%9 = ?
(a) 47
(b) -63
(c) 18
(d) -30

Q6. Which of the following terms follows the trend of the given list?
ABABACCB, ABABCCAB, ABACCBAB, ABCCABAB, ACCBABAB, _____.
(a) ABABABCC
(b) CCABABAB
(c) ABABACCB
(d) ABABCCAB

Q7. A woman while shopping in a mall pushes her trolley 20 metres through an alley which is going East, then she turns to her left and walks 30 metres, then she turns West and walks another 30 metres, then she turns South and walks 30 metres and then she turns West and walks 25 metres. Where is she now with reference to her starting position?
(a) 35 metres West
(b) 5 metres West
(c) 35 metres East
(d) 5 metres East

Directions (8-9) : In these questions two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Q8. Statement I: No clocks are watches.
Statement II: No ornaments are clocks
Conclusion I: Some watches are ornaments
Conclusion II: All ornaments are watches
(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both conclusions I and II follow
(d) Neither conclusion I nor conclusion II follows

Q9. Statement I: All cakes are pastries
Statement II: Some bread are cakes
Conclusion I: No pastries are bread
Conclusion II: Some bread are pastries
(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both conclusions I and II follow
(d) Neither conclusion I nor conclusion II follows

Q10. In the following figure, rectangle represents Chefs, circle represents Choreographers, triangle represents Divers and square represents Americans. Which set of letters represents Americans who are either Choreographers or Divers?
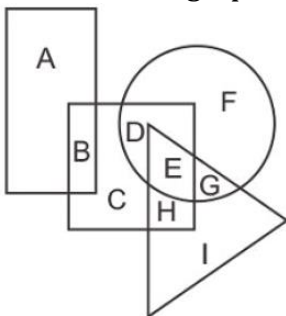

(a) CDE
(b) EGI
(c) DEH
(d) BCH

**Q11.** If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?

(a)

(b)

(c)

(d)
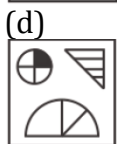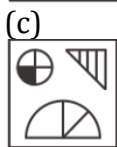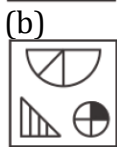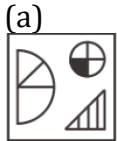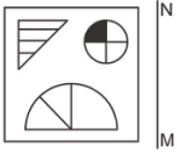
Q12. Hansh's birthday is on Monday 5th June. On what day of the week will be Tushar's Birthday in the same year if Tushar was born on 11th December?
(a) Sunday
(b) Wednesday
(c) Monday
(d) Tuesday

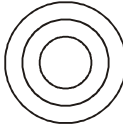**Q13.** Which answer figure will complete the pattern in the question figure?

(a)

(b)

(c)

(d)
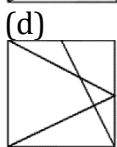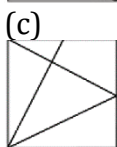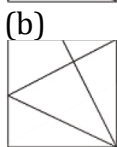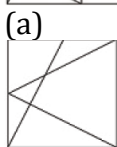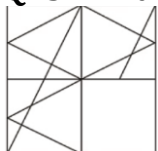
Q14. Select the missing number from the given responses.

10	4	2	12
7	?	3	15
8	5	1	3

(a) 9
(b) 1
(c) 25
(d) 2

Q15. Which one of the following diagrams best depicts the relationship among teachers, graduates and women ?

(a)

(b)

(c)

(d)

Q16. Find the minimum number of straight lines required to make the given figure.
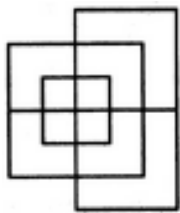
(a) 13
(b) 15
(c) 17
(d) 19

Q17. In each of following questions first questions figures are given, showing a sequence in which paper is folded and cut from a particular section below these figure a set of answer figures showing the paper actually acquires when it is unfolded are also given. Select your best answer.
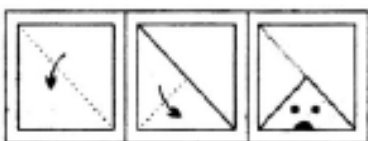
Question Figures

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

(a) 1
(b) 2
(c) 3
(d) 4

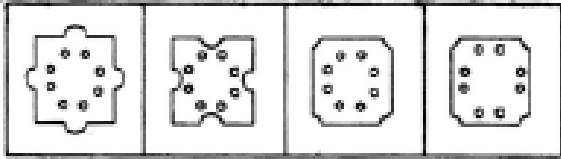**Directions (18-20):** Six friends are sitting in a circle facing the centre of the circle. Deepa is between Prakash and Pankaj. Priti is between Mukesh and Lalit. Prakash and Mukesh are opposite to each other.

Q18. Who is sitting right to Prakash?
(a) Mukesh
(b) Deepa
(c) Pankaj
(d) Lalit

Q19. Who are the neighbours of Mukesh?
(a) Prakash and Deepa
(b) Deepa and Preeti
(c) Priti and Pankaj
(d) Lalit and Priti

Q20. Who is sitting opposite to Priti?
(a) Prakash
(b) Deepa
(c) Pankaj
(d) Lalit

Q21. In the following question, select the related word pair from the given alternatives.
Start : End : : ? : ?
(a) Hot : Water
(b) Love : Care
(c) Green : Go
(d) Up : Down

Q22. In the following question, select the related number pair from the given alternatives.
31 : 42 : : ? : ?
(a) 53 : 64
(b) 47 : 59
(c) 61 : 73
(d) 44 : 34

Q23. In the following question, select the related letter/letters from the given alternatives.
FUT : JYX : : BUG : ?
(a) AYG
(b) FYK
(c) LCK
(d) FAM

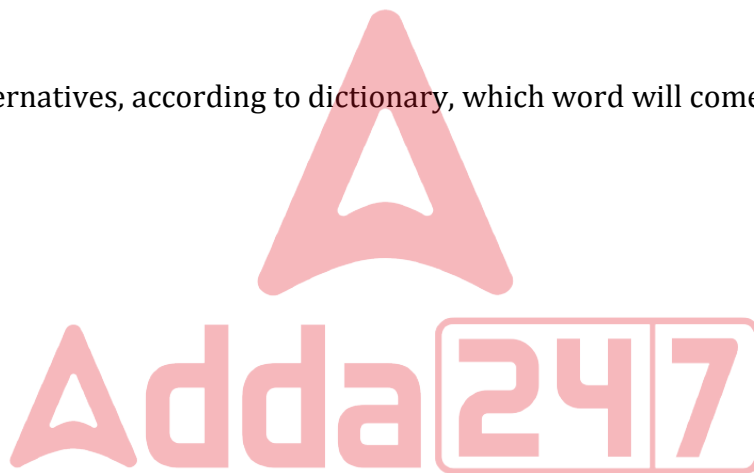**Q24.** In the following question, select the odd word from the given alternatives.
(a) Ocean
(b) Sea
(c) Desert
(d) River

Q25. In the following question, select the odd letter/letters from the given alternatives.
(a) KQW
(b) RXD
(c) BHN
(d) AGL

Q26. From the given alternatives, according to dictionary, which word will come at the LAST position?
1. Toast
2. Torpedo
3. Tounge
4. Trickle
5. Trick
(a) Trick
(b) Trickle
(c) Tounge
(d) Torpedo

Q27. In the following question, select the missing number from the given series.
13, 17, 19, 23, 29, ?
(a) 33
(b) 31
(c) 35
(d) 37

Q28. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
UY, SV, QS, OP, ?
(a) NM
(b) ML
(c) MM
(d) KL

Q29. L, M, N, O and P are sitting in a line facing east. L and M are sitting together. N is sitting at north end and O is sitting at south end. P is the neighbour of M and N. Who is third from north end?
(a) L
(b) O
(c) M
(d) P

Q30. From the given alternatives, select the word which CANNOT be formed using the letters of the given word.
Corporate
(a) Poor
(b) Rate
(c) Cat
(d) Prove

Q31. In a certain code language, "PRICE" is written as "GEKTR". How is "VALUE" written in that code language?
(a) FWNCX
(b) FNWDY
(c) DWNCY
(d) GWNCX

Q32. In a certain code language, '-' represents '+', '+' represents 'x', 'x' represents '÷' and '÷' represents '-'. Find out the answer to the following question.
9 - 18 + 35 x 10 ÷ 30 = ?
(a) 44
(b) 42
(c) 40
(d) 41

Q33. The following equation is incorrect. Which two signs should be interchanged to correct the equation?
20 ÷ 14 + 5 x 20 - 2 = 56
(a) + and x
(b) ÷ and -
(c) + and ÷
(d) - and +

Q34. If 16α1 = 8, 14α6 = 42 and 12α5 = 30, then find the value of 2α6 = ?
(a) 6
(b) 18
(c) 4
(d) 10

Q35. An insect walks 15 cm East, then it turns to its right and walks for another 20 cm. then it turns right and walks 4 cm, then it turns North and walks 20 cm, then finally it turns to its left and walks 2 cm. Where is the insect now with respect to its starting point?
(a) 9 cm East
(b) 21 cm East
(c) 9 cm West
(d) 21 cm West

Q36. In the following figure, rectangle represents journalists, circle represents Art critics, triangle represents Campers and square represents Mothers Which set of letters represents Mothers who are Campers ?
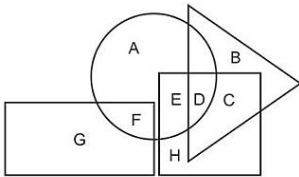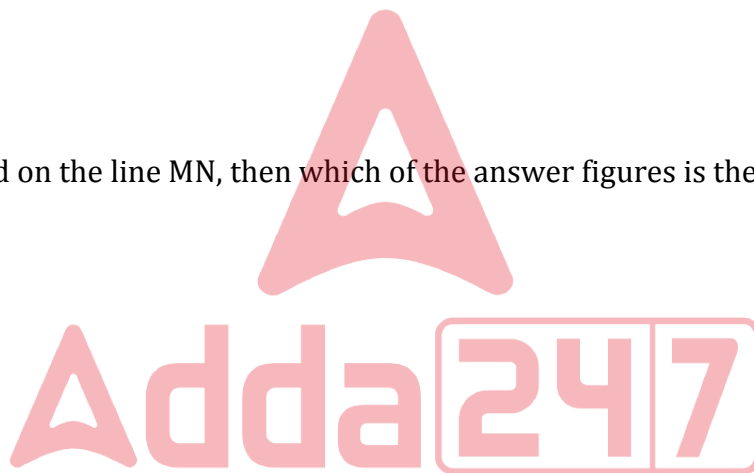

(a) DC
(b) BDCH
(c) EDC
(d) HEB

Q37. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure ?

(a)

(b)

(c)

(d)
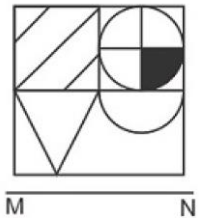
Directions (38-39) : In the question two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Q38. Statement I: Some games are sports
Statement II: No exercise are games
Conclusion I: All sports are exercise
Conclusion II: Some exercise are sports
(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both conclusions I and II follow
(d) Neither conclusion I nor conclusion II follows

Q39. Statement I: Some notes are coins
Statement II: All notes are currency
Conclusion I: No coins are currency
Conclusion II: Some currency are coins
(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both conclusions I and II follow
(d) Neither conclusion I nor conclusion II follows

Q40. Which will replace the question mark?

3	11	4	56
2	4	6	36
3	7	8	?

(a) 72
(b) 80
(c) 76
(d) 84

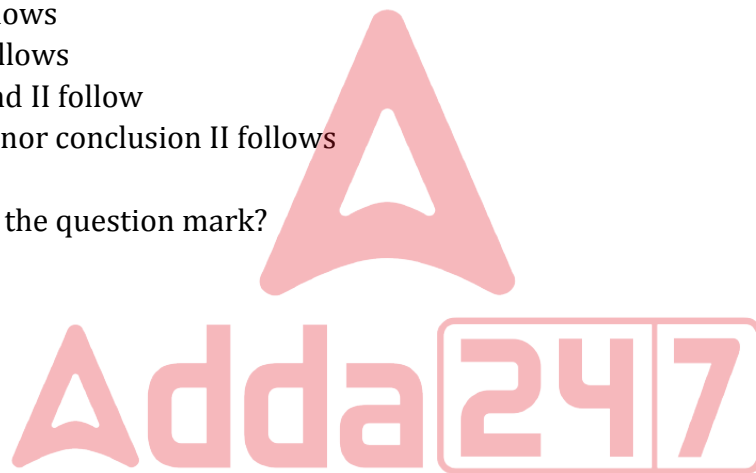**Q41.** Select the related word/letters/number from the given alternatives.
Pernicious : Lethal : : Indict : ?
(a) Insolent
(b) Impudent
(c) Spoil
(d) Accuse

Q42. Select the related word/letters/number from the given alternatives.
4 : 44 : : ? : 77
(a) 3
(b) 6
(c) 7
(d) 5

Q43. Select the related word/letters/number from the given alternatives.
Ctrl+X : Cut : : Ctrl+C : ?
(a) Undo
(b) Paste
(c) Redo
(d) Copy

Q44. Six persons A, B, C, D, E and F are standing in a circle. B is between F and C. A is between E and D. F is to the left of D. Who is between B and D?
(a) E
(b) C
(c) F
(d) A

Q45. A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.
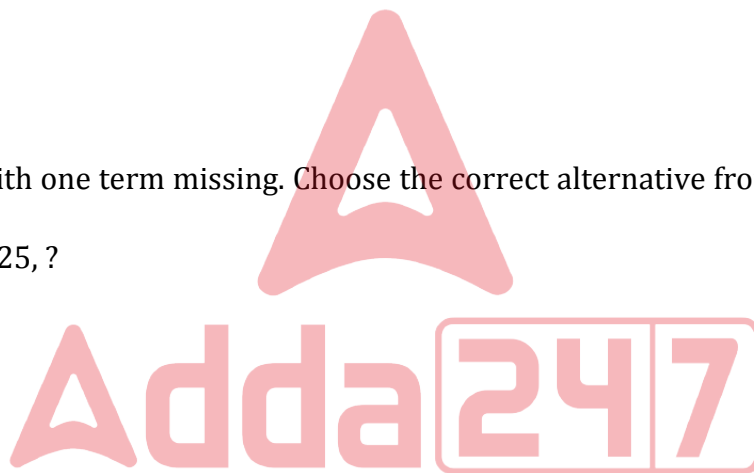Rajasthan, Madhya Pradesh, Maharashtra, ?
(a) Uttar Pradesh
(b) Jammu Kashmir
(c) Tamil Nadu
(d) Assam

Q46. A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.
200, 100, 50, 25, 12.5, 6.25, ?
(a) 2.125
(b) 3.025
(c) 3.125
(d) 2.025

Q47. Arrange the given words in the sequence in which they occur in the dictionary.
i. Translucent
ii. Transparent
iii. Transport
iv. Transistor
(a) iv, i, ii, iii
(b) iv, i, iii, ii
(c) i, iii, ii, iv
(d) i, ii, iii, iv

Q48. In a certain code language, "INSTANT" is written as "IOUWESZ". How is "FORGET" written in that code language?
(a) FPOGXI
(b) FOSIGX
(c) FPSKHW
(d) FPTJIY

Q49. Which set of letters when sequentially placed at the gaps in the given letter series shall complete it?
l_n_o_m_lm_o
(a) mnoln
(b) mlnmn
(c) monln
(d) mnmno

Q50. A boy travels 4 km towards south and then takes a right turn travels another 3 km in that direction. How far and in which direction is he now from his original position?
(a) 6 km, south
(b) 5 km, southwest
(c) 4 km, north
(d) 5 km, northwest

Q51. In the following question, select the related word pair from the given alternatives.
Thursday : Friday : : ? : ?
(a) Monday : Tuesday
(b) Friday : Sunday
(c) Friday : Wednesday
(d) Sunday : Tuesday

Q52. In the following question, select the related number from the given alternatives.
594 : 592 : : 368 : ?
(a) 370
(b) 340
(c) 364
(d) 366

Q53. In the following question, select the related letter/letters from the given alternatives.
KPV : LQW : : BOY : ?
(a) APX
(b) CPZ
(c) CPX
(d) DQZ

Q54. In the following question, select the odd word from the given alternatives.
(a) Cauliflower
(b) Potato
(c) Grapes
(d) Brinjal

Q55. In the following question, select the odd letter/letters from the given alternatives.
(a) GJMP
(b) HKNR
(c) PSVY
(d) NQTW

Q56. Arrange the given words in the sequence in which they occur in the dictionary.
1. Telephone
2. Teleworker
3. Tendency
4. Temperature
5. Themselves
(a) 34521
(b) 42153
(c) 52314
(d) 12435

Q57. In the following question, select the missing number from the given series.
4, 5, 8, 9, 12, 13, ?
(a) 14
(b) 16
(c) 15
(d) 20

Q58. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
EGL, DFK, CEJ, ?, ACH
(a) BFJ
(b) CFD
(c) HDI
(d) BDI

Q59. Weight of Alok is twice the weight of Karan. Weight of Karan is one-fourth of the weight of Roma. Weight of Roma is twice of the weight of Tipu. Weight of Tipu is twice of the weight of Shivam. The weight of Roma is greater than the weight of how many persons among Alok, Karan, Shivam and Tipu?
(a) 3
(b) 4
(c) 0
(d) 2

Q60. From the given alternatives, select the word which CANNOT be formed using the letters of the given word.
Compatible
(a) Come
(b) Pat
(c) Time
(d) Most

Q61. Find the related word as expressed in given pair.
Tiger : Flesh : : Cow : ?
(a) Snake
(b) Grass
(c) Worm
(d) Animal

Q62. Find the related letter(s) as expressed in given pair.
QSMO : YAUW :: KMGI : ?
(a) SUQO
(b) USOQ
(c) UQSO
(d) SUOQ

Q63. Find the related number as expressed in given pair.
7 : 28 :: 4 : ?
(a) 23
(b) 26
(c) 16
(d) 20

Q64. Select the odd word from the given alternatives.
(a) Gold
(b) Iron
(c) Steel
(d) Nitrogen

Q65. Select the odd letters from the given alternatives.
(a) KN
(b) GI
(c) DF
(d) LN

Q66. Select the odd number from the given alternatives.
(a) 64
(b) 48
(c) 42
(d) 60

Q67. In a certain code language "CAGES" is written as "MZCXA". How is "WATER" written in that code language?
(a) LZPXU
(b) SGWEB
(c) QCPVR
(d) VYQAM

Q68. If 81 # 49 = 2 and 100 # 36 = 4 then 144 # 196 = ?
(a) 26
(b) -26
(c) 2
(d) -2

Q69. In the following question, select the word which cannot be formed using the letters of the given word.
QUALIFICATION
(a) LIAR
(b) FIAT
(c) LION
(d) FICTION

Q70. Which symbol lie opposite to the face having symbol '%', when the figure is folded to form a cube?

&			
#	%	?	=
			$
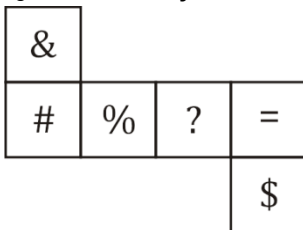
(a) #
(b) $
(c) &
(d) =

Q71. In a certain code language, "WARD" is written as "44" and "LOAD" is written as "30". How is "BRIT" written in that code language?
(a) 49
(b) 47
(c) 48
(d) 50

Q72. In a certain code language, '-' represents 'x', '÷' represents '+', '+' represents '÷' and 'x' represents '-'. Find out the answer to the following question.
12 – 2 + 6 x 20 ÷ 18 = ?
(a) 50
(b) 2
(c) 19
(d) 43

Q73. The following equation is incorrect. Which two signs should be interchanged to correct the equation?
18 ÷ 2 – 25 x 9 + 6 = 38
(a) + and x
(b) + and ÷
(c) – and +
(d) ÷ and x

Q74. If 18α12 = 3, 2α14 = -6 and 4α4 = 0, then find the value of 2α16 = ?
(a) -7
(b) 8
(c) 10
(d) -1

Q75. A woman is shopping in a plaza. She walks 80 m South, then she turns East and walks 50 m, then she turns North and walks 110 m, then she turns to her left and walks 50 m. Where is she now with reference to her starting position?
(a) 30 m North
(b) 190 m North
(c) 30 m South
(d) 190 m South

Directions (76-77): In the question two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Q76. Statement :
(I) Some flipflops are slippers
(II) Some footwear are flipflops
Conclusion :
(I) All slippers are footwear
(II) All footwear are slippers
(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both conclusions I and II follow
(d) Neither conclusion I nor conclusion II follows

Q77. Statements:
(I) Some bags are hot.
(II) All hot things are cakes.
Conclusion:
(I) All cakes are bags.
(II) All bags are cakes.
(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Neither I nor II follows
(d) Both I and II follows

Q78. In the following figure, rectangle represents Technicians, circle represents Bakers, triangle represents Playwright and square represents Gymnasts. Which set of letters represents Technicians who are Bakers?
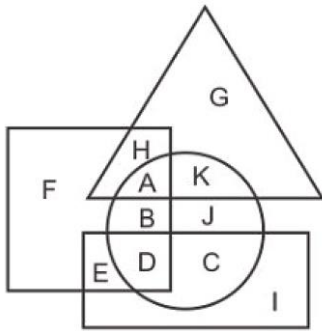
(a) BJ
(b) DC
(c) AK
(d) BD

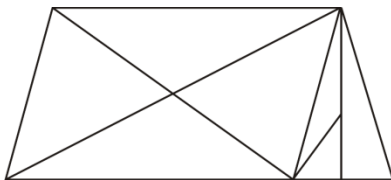**Q79.** In the following question, select the missing number from the given series.

81	3	90
60	4	76
49	6	?

(a) 78
(b) 80
(c) 85
(d) 75

Q80. Rahul is the father of Anupreet's husband. Priya and Ankit are the only two children of Rahul. Priya is the sister-in-law of Anupreet. How is Ankit related to Anupreet?
(a) Father
(b) Grandson
(c) Son
(d) Husband

Q81. How many triangles are there in the given figure?

(a) 15
(b) 14
(c) 16
(d) 13

Q82. Pointing towards a boy, a lady said, that boy is the brother of my husband is only daughter's daughter. "How is that lady's son related to that boy?
(a) Father
(b) Uncle
(c) Brother
(d) Son

Directions (83-85): 6 boys P, Q, R, S, T and U are standing in a row facing north. P and Q cannot be either at 1st or 2nd place. R and S will always be together and R must be at one of the ends. R doesn't have S to his right. U is standing between T and P.

Q83. Who is standing on west end?
(a) T
(b) P
(c) U
(d) S

Q84. Who is standing right to P?
(a) U
(b) Q
(c) R
(d) S

Q85. If one more person V comes to stand at the left of P, then who is standing in middle?
(a) V
(b) T
(c) S
(d) P

Q86. Which of the following venn diagram best represents the relationship between Football, Player and Field.
(a)

(b)

(c)

(d)

Q87. Select a suitable figure from the answer figures that would replace the question mark (?)

(A)   (B)   (C)   (D)   (1)   (2)   (3)   (4)
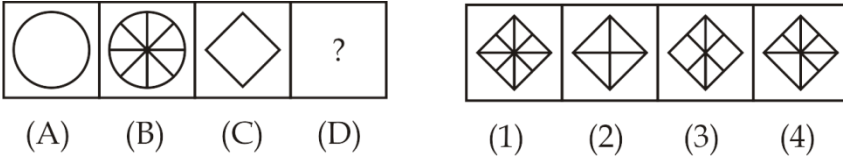
(a) 1

(b) 2

(c) 3

(d) 4

Q88.which will replace the question mark?

7	4	10
6	2	2
3	4	2
15	14	?

(a) 21

(b) 25

(c) 18

(d) 14

Q89. Ratio of present ages of Mohan and Sohan is 4 : 6 and the difference between their ages is 12 years. What is the present age (in yrs) of Sohan?

(a) 24

(b) 28

(c) 36

(d) 42

Q90. In each of following questions first questions figures are given, showing a sequence in which paper is folded and cut from a particular section below these figure a set of answer figures showing the paper actually acquires when it is unfolded are also given. Select your best answer.

Question Figures

Answer Figures

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

(a) 1

(b) 2

(c) 3

(d) 4
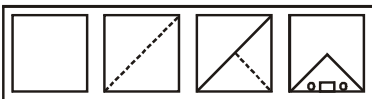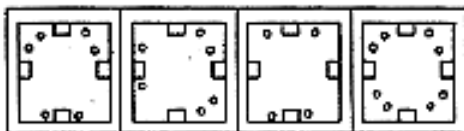
Q91. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?
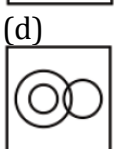

(a)

(b)

(b)

(d)
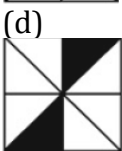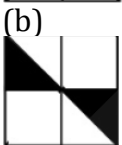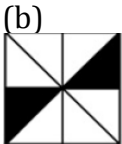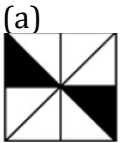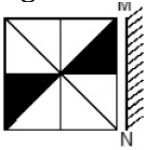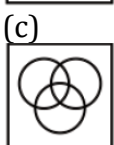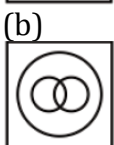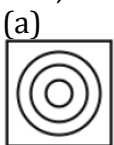

Q92. How many triangles are there in the given figure?
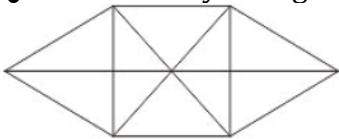
(a) 16
(b) 20
(c) 22
(d) 24

Q93. Identify the diagram that best represents the relationship among the given classes.
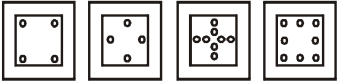Bull, Animal, Carnivorous

(a)

(b)

(c)

(d)

Q94. A piece of paper is folded and punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.

Question Figures

Answer Figures

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

(a) 1

(b) 2

(c) 3

(d) 4

Q95. Select a figure from the given four options, which when placed in the blank space of problem figure(?) world complete the pattern.
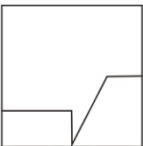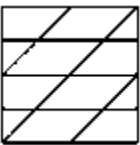

Answer Figures.

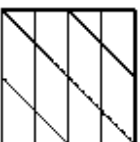(1) (2) (3) (4)

(a) 1

(b) 2

(c) 3

(d) 4

Q96. Form the given answer figures select the one in which the question figure is hidden / embedded.
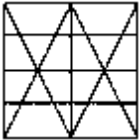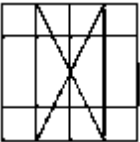

(a)

(b)

(c)

(d)

Q97. The following equations follow a common property Find out the correct value to complete D :

A = 51 (714) 14;

B = 61 (915) 15;

C = 71 (1136) 16;

D = 81 (?) 17

(a) (1377)

(b) (1378)

(c) (1356)

(d) (1346)

Q98. Kishankant walks 10 km 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) 5km West

(b) 5km North-East

(c) 7km East

(d) 7km West

Q99. A is mother of D and sister of B. B has a daughter C, who is married to F. G is the husband of A. How is G related to D ?

(a) Husband

(b) Son

(c) Father

(d) Uncle

Q100. Select the odd word from the given alternatives.

(a) Wheat

(b) Rice

(c) Jowar

(d) Beans

Q101. Find the missing number from the given series?

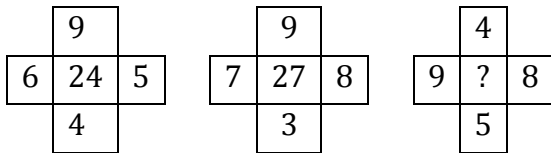10, 12, 22, 34, ?, 90

(a) 56

(b) 46

(c) 60

(d) 76

Q102. Find the missing number from the given series?
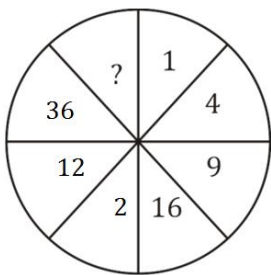
3, 7, 19, 55, 163, ?

(a) 487

(b) 310

(c) 467

(d) 285

Q103. Which will replace the question mark?

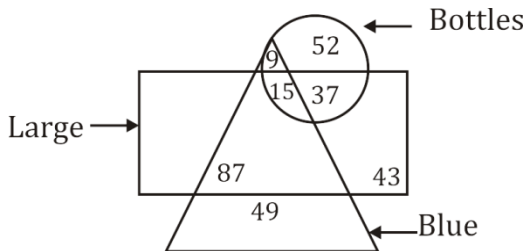|	9				9				4	
6	24	5		7	27	8		9	?	8
	4				3				5	

(a) 20

(b) 16

(c) 26

(d) 24

Q104. Which will replace the question mark?

(a) 85

(b) 90

(c) 95

(d) 80

Q105. In the given figure, how many large bottles are not blue?

(a) 37

(b) 15

(c) 152

(d) 89

Directions (106-107) In following question some statements followed by some conclusions are given. Taking the given statements to be true even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Q106. Statements :
I. All girls are mad
II. Some boys are mad
Conclusions :
I. Some mad are girls
II. All boys are girls
(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both I and II follow
(d) Neither of them follows

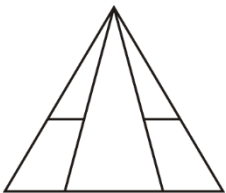**Q107. Statements :**
I. All cups are books
II. All books are shirts
Conclusions :
I. Some cups are not shirts
II. Some shirts are cups
(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both I and II follow
(d) Neither of them follows

Q108. How many triangles are there in the given figure?

(a) 8
(b) 7
(c) 9
(d) 6

Q109. A and B are brothers, C and D are sisters. A's son is D's brother. How is B related to C?
(a) Father
(b) Brother
(c) Grandfather
(d) Uncle

Q110. Shakti runs 20m towards East and turns to right runs 10m and again turns to right, runs 9 m and turns to left, runs 5 m and then again turns left, runs 12m and finally turns left and runs 6m. In which direction is he facing now?
(a) East
(b) West
(c) North
(d) South

Q111. The ratio of present ages of A and B is 3 : 4. After four years their ages will be in ratio 11 : 13. What is present age (in years) of B ?
(a) 6.4
(b) 4.8
(c) 10.1
(d) 14

Q112. In a row of people Mayank is 8th from bottom. Pramod is 12 ranks above Mayank. If Pramod is 9th from top, then how many people are there in this row?
(a) 25
(b) 26
(c) 28
(d) 23

Directions (113-115): P, Q, R, S, T, U and V are sitting on a row, facing north. U is immediate right of T. T is 4th to the right of V. R is the neighbor of Q and S. Person who is third to the left of S is at one of ends.

Q113. Who is/are sitting to the left of R ?
(a) Only Q
(b) V, Q and S
(c) V and Q
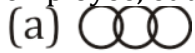(d) S, T, U and P

Q114. Who are the neighbours of Q ?
(a) R and S
(b) R and V
(c) V and U
(d) R and T

Q115. What is position of P?
(a) Between T and S
(b) Extreme left
(c) Extreme right
(d) Centre

Q116. Which of the following Venn diagram best represent the relationship between clerks, government employee, educated persons?

(a)

(b)

(c)

(d)

Q117. In a certain code language, '-' represents 'x', '÷' represents '+', '+' represents '÷' and 'x' represents '-'. Find out the answer to the following question.
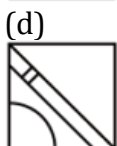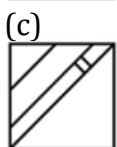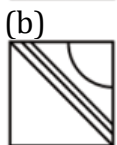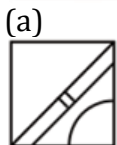12 – 6 + 4 x 10 ÷ 16 = ?
(a) 20
(b) 26
(c) 24
(d) 18

Q118. If alphabet series is given in backward or reverse order, then find out the eighth letter to right of O ?
(a) H
(b) G
(c) U
(d) X

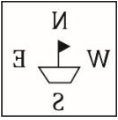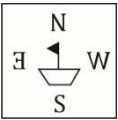**Q119.** Which answer figure will complete the pattern in the question figure?

(a)

(b)

(c)

(d)

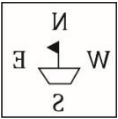**Q120.** If a mirror is placed on the line AB, then which of the answer figure is the right image of the given figure?
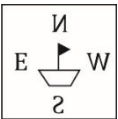

(a)

(b)

(c)

(d)
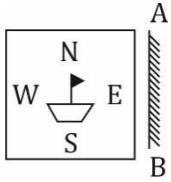
Q121. In the following question, select the related word pair from the given alternatives.
Truth : Lie : : ? : ?
(a) Big : Small
(b) Pink : Colour
(c) Big : Huge
(d) Lawyer : Black

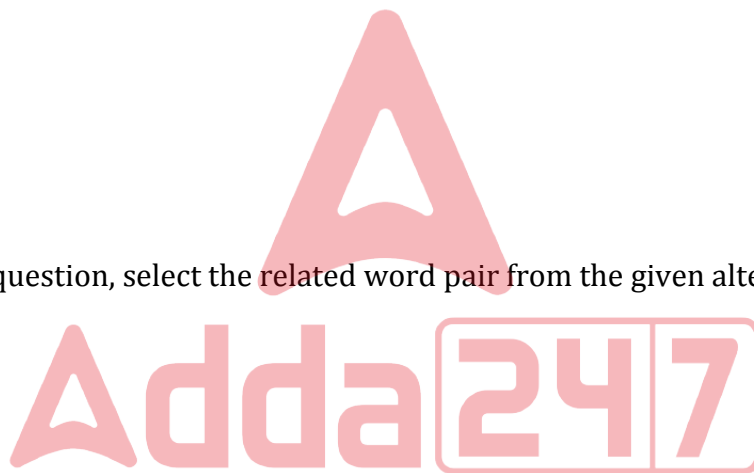**Q122.** In the following question, select the related number from the given alternatives.
5 : 25 : : 6 : ?
(a) 39
(b) 37
(c) 28
(d) 36

Q123. In the following question, select the related letter pair from the given alternatives.
FMR : ELQ : : ? : ?
(a) PEN : QFO
(b) ZEN : XCL
(c) TGA : SFZ
(d) SMP : UOR

Q124. In the following question, select the odd word pair from the given alternatives.
(a) Up – Down
(b) Big – Small
(c) Run – Fast
(d) Lie – Truth

Q125. In the following question, four number pairs are given. The number on left side of (–) is related to the number of the right side of (–) with some Logic / Rule / Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives.
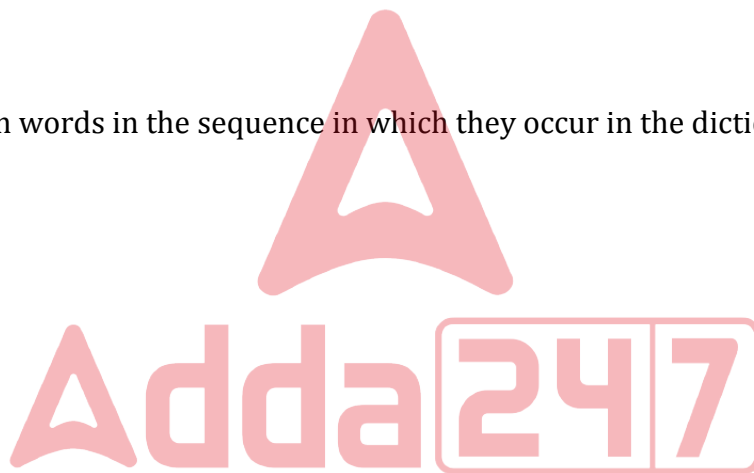(a) 11 – 144
(b) 13 – 196
(c) 15 – 246
(d) 17 – 324

Q126. In the following question, select the odd letter/letters from the given alternatives.
(a) HS
(b) KP
(c) GR
(d) BY

Q127. Arrange the given words in the sequence in which they occur in the dictionary.
1. Read
2. Real
3. Ready
4. Rather
5. Ratify
(a) 32415
(b) 12543
(c) 45123
(d) 45132

Q128. In the following question, select the missing number from the given series.
9, 13, 22, 38, 63, ?
(a) 96
(b) 99
(c) 84
(d) 90

Q129. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
PCK, RFM, TJO, VOQ, ?
(a) XVT
(b) YVT
(c) XUS
(d) ZUS

Q130. In a row of girls, Shweta is 11th from the right end. Mansi is 14th to the left of Shweta. If Mansi is 12th from the left end, then how many girls are there in the row?
(a) 40
(b) 38
(c) 37
(d) 36

Solutions

S1. Ans.(b)
Sol. Action

S2. Ans.(d)
Sol.

T	R	U	M	P	G	A	I	N
4	6	3	2	1	7	5	9	8

G R U N T → 7 6 3 8 4

S3. Ans.(d)
Sol. 2×12÷32−5+4
ATQ,
⇒ 2−12+32×5÷4
⇒ 2−12+40
⇒ 42−12
⇒ 30

S4. Ans.(c)
Sol. 14+8÷16−9×12=10
After interchanging + and x
⇒ 14×8÷16−9+12=10
⇒ 7−9+12=10
⇒ 19−9=10
⇒ 10=10

S5. Ans.(c)
Sol. −3×1=−3×(−1)=3
3×6=18×(−1) = − 18
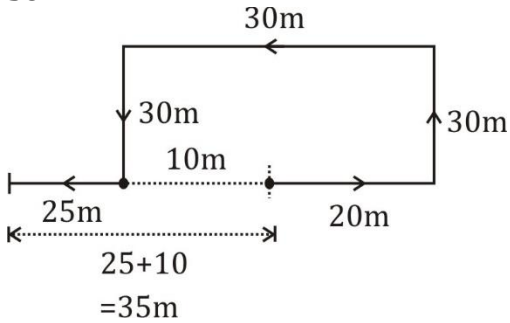−7×4=−28×(−1)=28
−2×9=−18×(−1)=18

S6. Ans.(b)
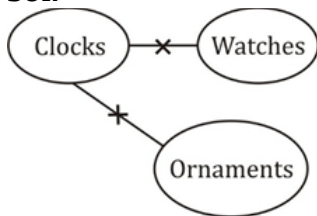**Sol.** CCABABAB

S7. Ans.(a)
Sol.

25+10
=35m

She is now 35m in west direction from her starting point.
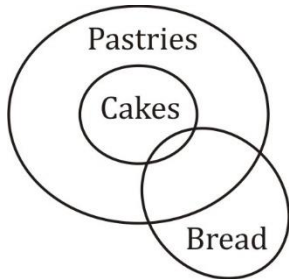
S8. Ans.(d)
Sol.

I. ×   II. ×
Neither conclusion I nor conclusion II follows.

S9. Ans.(b)
Sol.

I. ×
II. √
Only conclusion II follows

S10. Ans.(c)
Sol. DEH

S11. Ans.(d)

S12. Ans.(c)
Sol. 5th June = Monday
Number of days till 11 Dec = 25 + 31 + 31 + 30 + 31 + 30 + 11
= 189
∴ No. of odd days = $\frac{189}{7}$ = 0 odd days
∴ Day on 11 December = Monday + 0
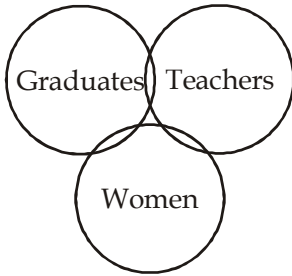= Monday

S13. Ans.(c)

S14. Ans.(d)
Sol. $(10 \times 2) - (4 \times 2) = 12$
$(8 \times 1) - (5 \times 1) = 3$
$(7 \times 3) - (2 \times 3) = 15$
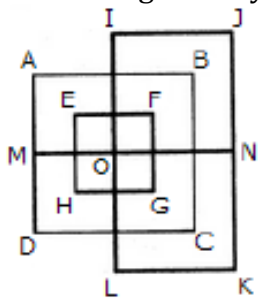
S15. Ans.(d)
Sol.

Here, some teachers may be women and some women may be graduates. Also some graduates may be teachers.

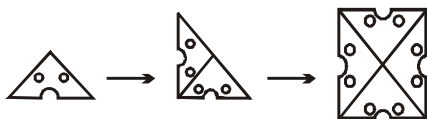**S16. Ans.(a)**
Sol. The figure may be labeled as shown.

The horizontal lines are IJ, AB, EF, MN, HG, DC and LK i.e. 7 in number.
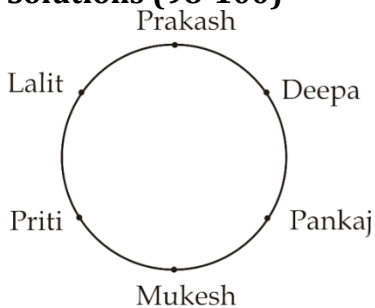The vertical lines are AD, EH, IL, FG, BC and JK i.e. 6 in number.
Thus, there are 7 + 6 = 13 straight lines in the figure.

S17. Ans.(b)
Sol.

Solutions (98-100)

S18. Ans.(d)

S19. Ans.(c)

S20. Ans.(b)

S21. Ans.(d)
Sol.
$$\left.\begin{array}{l} \text{Start} \leftrightarrow \text{End} \\ \text{Up} \leftrightarrow \text{Down} \end{array}\right\} \text{Opposite}$$

S22. Ans.(a)
Sol. +11 series

S23. Ans.(b)
Sol. +4 series

S24. Ans.(c)
Sol. Except Desert, rest are water bodies

S25. Ans.(d)
Sol. +6 series except (AGL)

S26. Ans.(b)
Sol. Trickle

S27. Ans.(b)
Sol. Sequence of prime numbers

S28. Ans.(c)
Sol. −2, −3 series

S29. Ans.(c)
Sol.
N
P
Ⓜ ⟶ 3rd from North end.
L
O

S30. Ans.(d)
Sol. Prove

S31. Ans.(d)

Sol.

P   R   I   C   E   G   E   K   T   R

(+2 series)

V   A   L   U   E   G   W   N   C   X

(+2 series)
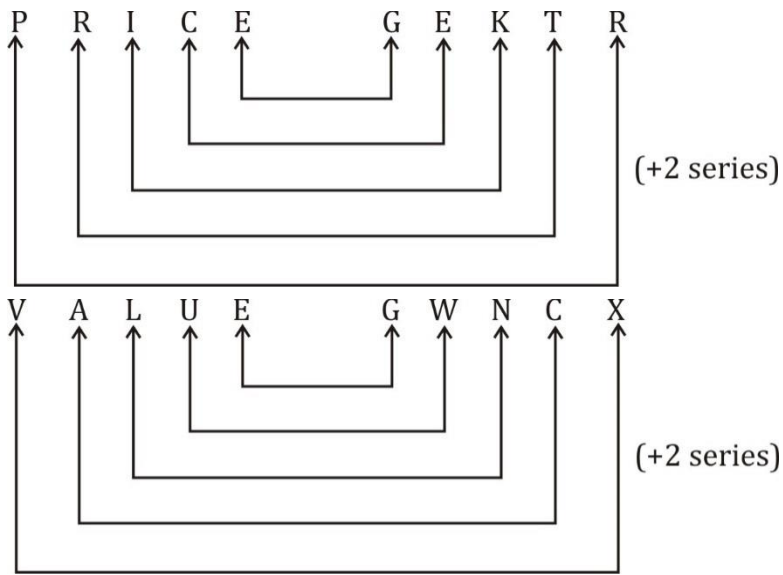
S32. Ans.(b)

Sol. $9 - 18 + 35 \times 10 \div 30$

$\Rightarrow 9 + 18 \times 35 \div 10 - 30$

$\Rightarrow 9 + 18 \times 3.5 - 30$

$\Rightarrow 9 + 63 - 30$

$\Rightarrow 72 - 30$

$\Rightarrow 42$

S33. Ans.(b)

Sol. $20 \div 14 + 5 \times 20 - 2 = 56$

$\Rightarrow 20 - 14 + 5 \times 20 \div 2 = 56$

$\Rightarrow 20 - 14 + 5 \times 10 = 56$

$\Rightarrow 20 - 14 + 50 = 56$

$\Rightarrow 70 - 14 = 56$

$\Rightarrow 56 = 56$

S34. Ans.(a)

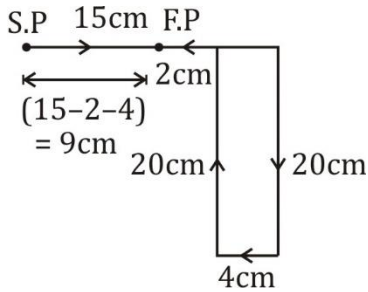**Sol.** $\frac{16}{2} \times 1 = 8$

$\frac{14}{2} \times 6 = 42$

$\frac{12}{2} \times 5 = 30$

$\frac{2}{2} \times 6 = 6$

S35. Ans.(a)
Sol.

Insect is at 9 cm in East from the starting point.
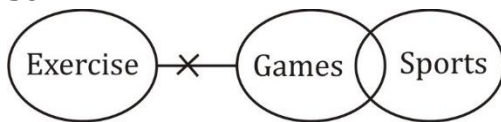
S36. Ans.(a)
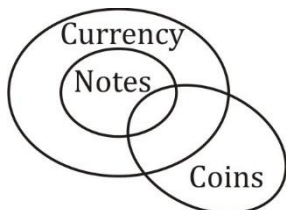**Sol.** DC

S37. Ans.(b)

S38. Ans.(d)
Sol.

I. ×   II. ×

Neither conclusion I nor conclusion II follows.

S39. Ans.(b)
Sol.

Only conclusion II follows

S40. Ans.(b)
Sol. (3 + 11)×4 = 56
(2 + 4) × 6 = 36
Similarly,
(7 + 3)× 8 = 80

S41. Ans.(d)
Sol. Accuse, Synonyms are given

S42. Ans.(c)
Sol. 4 × 11 = 44
7 × 11 = 77

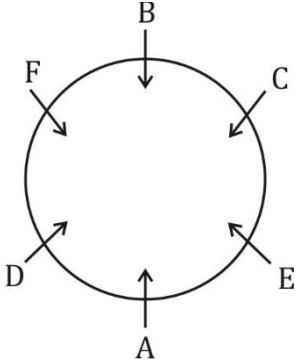## S43. Ans.(d)
Sol. Ctrl + X is a shortcut command for cut
Ctrl + C is a shortcut command for copy

S44. Ans.(c)
Sol.

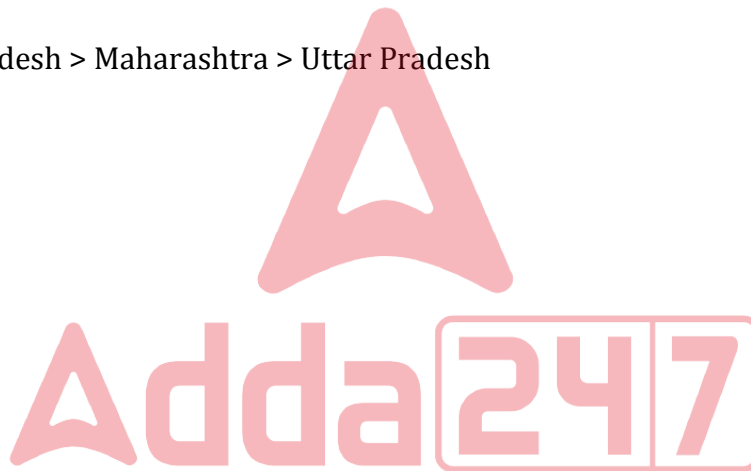∴ F is in between B and D.

S45. Ans.(a)
Sol. According to area
Rajasthan > Madhya Pradesh > Maharashtra > Uttar Pradesh

S46. Ans.(c)
Sol. ÷2 series

S47. Ans.(a)
Sol. IV. Transistor
I. Translucent
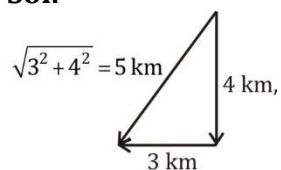II. Transparent
III. Transport

S48. Ans.(d)
Sol.

S49. Ans.(c)
Sol. ℓ m n o/ o n m l / l m n o

S50. Ans.(b)
Sol.

∴ 5 km, south west

S51. Ans.(a)
Sol. Friday comes after Thursday
Similarly, Tuesday comes after Monday

S52. Ans.(d)
Sol.

594 : 592 :: 368 : 366

-2   -2

S53. Ans.(b)
Sol. +1 pattern

S54. Ans.(c)
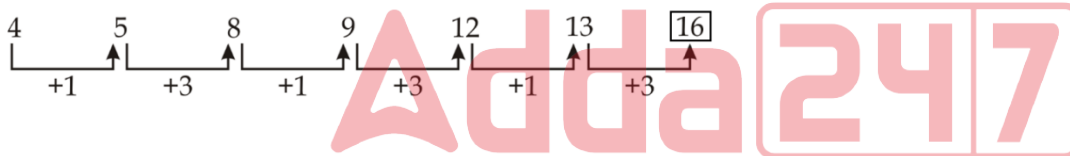**Sol.** Except grapes, all are vegetables

S55. Ans.(b)
Sol. Except in option (b), +3 pattern follows in other options.

S56. Ans.(d)
Sol. Correct order is 12435.

S57. Ans.(b)
Sol.

4   5   8   9   12   13   16

+1   +3   +1   +3   +1   +3

S58. Ans.(d)
Sol. - 1 series

S59. Ans.(b)
Sol. Let weight of Shivam = x
Weight of Tipu = 2x
Weight of Roma= 4x
Weight of Karan = x
Weight of Alok = 2x

S60. Ans.(d)
Sol. Most, there is no 's' in Compatible.

S61. Ans.(b)
Sol. Tiger eats flesh. Similarly, Cow eats grass.

S62. Ans.(d)
Sol. (+ 8 series)

S63. Ans.(c)
Sol. 7 × 4 = 28. Similarly, 4× 4 = 16

S64. Ans.(d)
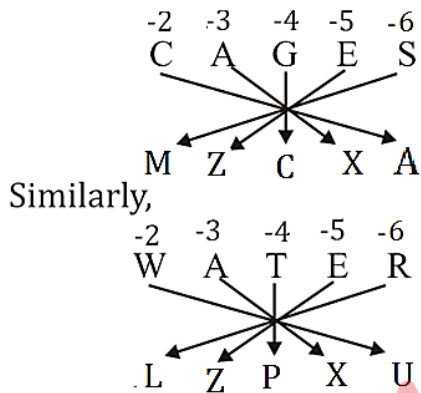**Sol.** All others are solid whereas Nitrogen is a gas.

S65. Ans.(a)
Sol. Except KN, in all other options (+2 patterns) follows.

S66. Ans.(a)
Sol. All others are not cubes of an integer but 64 is a perfect cube.

S67. Ans.(a)
Sol.

S68. Ans.(d)
Sol. $\sqrt{81} - \sqrt{49} = 2$
$\sqrt{100} - \sqrt{36} = 4$
Similarly,
$\sqrt{144} - \sqrt{196}$= -2

S69. Ans.(a)
Sol. There is no 'R' in QUALIFICATION

S70. Ans.(d)
Sol. Opposite faces are :-

S71. Ans.(b)

Sol. WARD = 23 + 1 + 18 + 4 = 46 – 2 = 44

LOAD = 12 + 15 + 1 + 4 = 32 – 2 = 30

∴ BRIT = 2 + 18 + 9 + 20 = 49 – 2 = 47

S72. Ans.(b)

Sol. 12 – 2 + 6 × 20 ÷ 18

Now, A/C to qus.

= 12 × 2 ÷ 6 – 20 + 18

= 4 – 20 + 18 = 2

S73. Ans.(a)

Sol. 18 ÷ 2 -25 × 9 + 6 = 38

Interchanging, + and ×

18 ÷ 2 -25 + 9 × 6 = 38

= 9 – 25 + 9 × 6 = 38

= 38 = 38

S74. Ans.(a)

Sol. $18 \; \alpha \; 12 = 3$ $\{18 - 12 = \frac{6}{2} = 3\}$
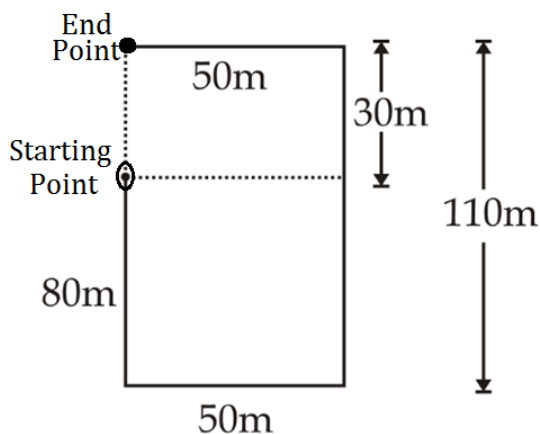
$2 \; \alpha \; 14 = -6$ $\{2 - 14 = -\frac{12}{2} = -6\}$

$4 \; \alpha \; 4 = 0$ $\{4 - 4 = \frac{0}{2} = 0\}$

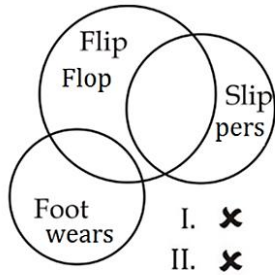$2 \; \alpha \; 6 =$ $\{2 - 16 = \frac{-14}{2} = -7\}$

S75. Ans.(a)

Sol. She is 30 m away from starting position in north direction.
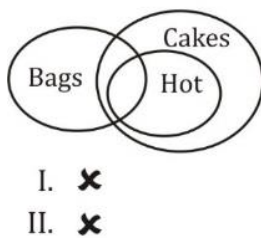
S76. Ans.(d)
Sol.

I. ✘
II. ✘

Neither conclusion I nor conclusions II follows.

S77. Ans.(c)
Sol.

I. ✘
II. ✘

Neither I nor II follows

S78. Ans.(b)
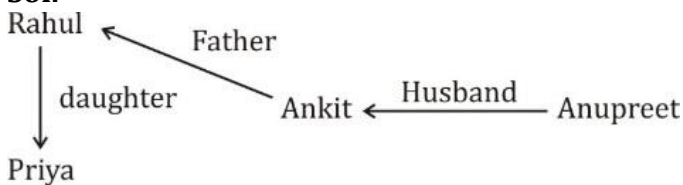**Sol.** DC

S79. Ans.(c)
$90 - 81 = 9 = 3^2$
$76 - 60 = 16 = 4^2$
$85 - 49 = 36 = 6^2$

S80. Ans.(d)
Sol.

S81. Ans.(a)
Sol. 15 triangles

S82. Ans.(b)
Sol. Her husband's only daughter's daughter means her own daughter's daughter (Grand-daughter) and that lady's son is brother of her daughter. So that lady's son is uncle of the Grand-daughter or Grandson.
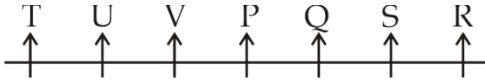
S83. Ans.(a)
Sol.

T   U   P   Q   S   R
↑   ↑   ↑   ↑   ↑   ↑

S84. Ans.(b)
Sol.

T   U   P   Q   S   R
↑   ↑   ↑   ↑   ↑   ↑

S85. Ans.(d)
Sol.

T   U   V   P   Q   S   R
↑   ↑   ↑   ↑   ↑   ↑   ↑

S86. Ans.(c)
Sol. Football, Players and Field all are different.

S87. Ans.(a)
Sol. The figure gets divided into eight parts.

S88. Ans.(c)
Sol. $(7 × 3) – 6 = 15$
$(4 × 4) – 2 = 14$
Similarly,
$(10 × 2) – 2 = 18$

S89. Ans.(c)
Sol. Let age of Mohan and Sohan be 4x and 6x
ATQ,
$6x – 4x = 12$
$⇒ x = 6$
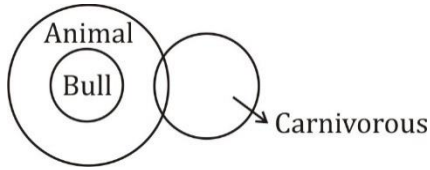So, present age of Sohan = 6 × 6= 36 yrs

S90. Ans.(d)
Sol.

S91. Ans.(a)
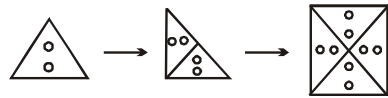
S92. Ans.(c)
Sol. There are 22 triangle formed.

S93. Ans.(d)
Sol.

S94. Ans.(c)
Sol.

S95. Ans.(b)
Sol. Clearly option(b) will complete the figure.

S96. Ans.(c)

S997. Ans.(a);
Sol. A = 51 × 14 = 714
B = 61 × 15 = 915
C = 71 × 16 = 1136
D = 81 × 17 = 1377

S98. Ans.(b);
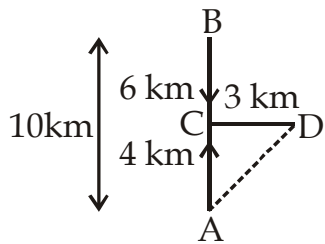**Sol.** The movements of Kishankant are as shown in Fig. (A to B, B to C and C to D).
AC = (AB-BC) =(10–6) km = 4 km
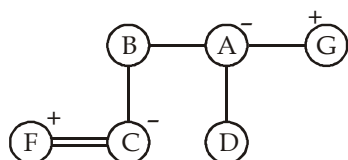Kishankant's distance from starting point A
$= AD = \sqrt{AC^2 + CD^2} = \sqrt{4^2 + 3^2} = \sqrt{25} = 5 \text{ km}$
So Kishankant is 5 km to the North-east of his starting point.

S99. Ans.(c)
Sol.

From the diagram it is clear that G is Father of D.

S100. Ans.(d)
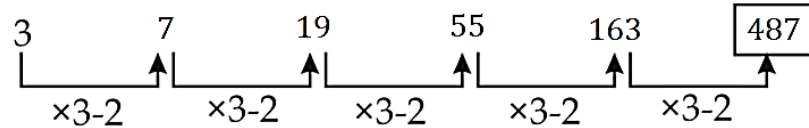**Sol.** Except Beans, all others are grains (cereals and coarse cereals)

S101. Ans.(a)
Sol. Each term in the series is the sum of the preceding two terms.
Missing number = 22 + 34 = 56

S102. Ans.(a)
Sol.

3   7   19   55   163   487
×3-2   ×3-2   ×3-2   ×3-2   ×3-2

S103. Ans.(c)
Sol. 9 + 5 + 4 + 6 = 24
9 + 8 + 3 + 7 = 27
4 + 8 + 5 + 9 = 26

S104. Ans.(d)
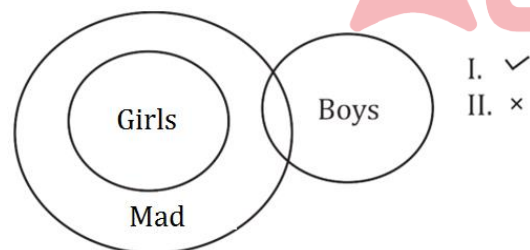**Sol.** Pattern in opposite sectors are
(1 × 2) = 2
(4 × 3) = 12
(9 × 4) = 36
Similarly, (16 × 5) = 80

S105. Ans.(a)
Sol. 37

S106. Ans.(a)
Sol.

Girls   Boys   I. ✓
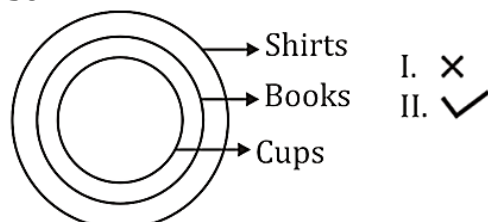   II. ✗
Mad

Only conclusion I follows

S107. Ans.(b)
Sol.

Shirts   I. ✗
Books   II. ✓
Cups

Only Conclusion II follows.
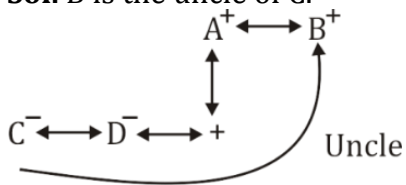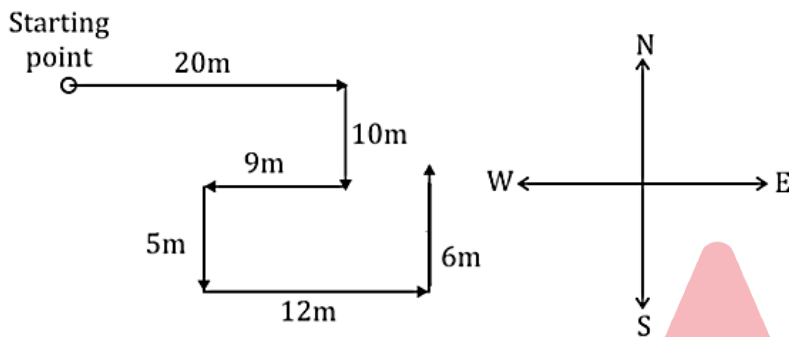
S108. Ans.(a)
Sol. 8 triangles

S109. Ans.(d)
Sol. B is the uncle of C.

S110. Ans.(c)
Sol.

He is facing in North direction.
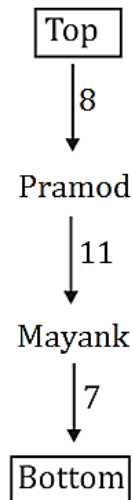
S111. Ans.(a)
Sol. ATQ,
$$\frac{A}{B} = \frac{3x+4}{4x+4} = \frac{11}{13}$$
$$\Rightarrow x = 1.6$$
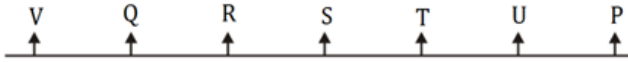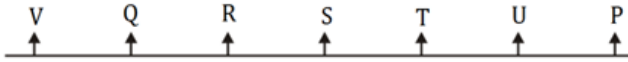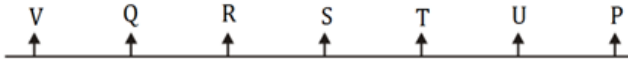So, present age of B = 4 × 1.6 = 6.4 years

S112. Ans.(c)
Sol.

Total people in the row
= 8 + 1 + 11 + 1 + 7 = 28

S113. Ans.(c)
Sol.

V	Q	R	S	T	U	P

S114. Ans.(b)
Sol.

V	Q	R	S	T	U	P

S115. Ans.(c)
Sol.

V	Q	R	S	T	U	P

S116. Ans.(c)
Sol. Some clerks may be government employees and some may be educated. Similarly, some government employees may be clerk and educated.

S117. Ans.(c)
Sol. $12 - 6 + 4 \times 10 \div 16$
$\Rightarrow 12 \times 6 \div 4 - 10 + 16$
$\Rightarrow 18 - 10 + 16$
$\Rightarrow 34 - 10$
$\Rightarrow 24$

S118. Ans.(b)
Sol. From the reverse alphabet series it is clear that, G is the correct answer.

S119. Ans.(d)

S120. Ans.(c)

S121. Ans.(a)
Sol.
$\left.\begin{array}{l} \text{Truth} - \text{Lie} \\ \text{Big} - \text{Small} \end{array}\right\}$ Antonyms

S122. Ans.(d)
Sol. $5 - 5^2 = 25$
$6 - 6^2 = 36$

S123. Ans.(c)
Sol. –1 series

S124. Ans.(c)
Sol. All pairs are of opposite words except (Run-Fast)

S125. Ans.(c)
Sol. $11 - 12^2$
$13 - 14^2$
$17 - 18^2$
$15 - 16^2 = 256 \neq 246$

S126. Ans.(c)
Sol. All are pair of opposite letters except GR.

S127. Ans.(d)
Sol. 4. Rather
5. Ratify
1. Read
3. Ready
2. Real

S128. Ans.(b)
Sol.

9		13		22		38		63		99

$$+4 \qquad +9 \qquad +16 \qquad +25 \qquad +36$$

$$2^2 \qquad 3^2 \qquad 4^2 \qquad 5^2 \qquad 6^2$$

S129. Ans.(c)
Sol. $P \xrightarrow{+2} R \xrightarrow{+2} T \xrightarrow{+2} V \xrightarrow{+2} X$
$C \xrightarrow{+3} F \xrightarrow{+4} J \xrightarrow{+5} O \xrightarrow{+6} U$
$K \xrightarrow{+2} M \xrightarrow{+2} O \xrightarrow{+2} Q \xrightarrow{+2} S$

S130. Ans.(d)
Sol.

Mansi   Shweta

25th 11th ←

+14

⟶ 12th
∴ Total no. of girls in the row
= 25 + 12 – 1
= 36