

10. The positions of how many digits will remain the same if the digits in the number 94276153 are rearranged in the ascending order from left to right?

- 1) None 2) One 3) Two 4) Three
5) More than three

Directions (11–15): In each question below is given a group of numbers/symbols followed by four combinations of letters numbered 1, 2, 3 and 4. You have to find out which of the four combinations correctly represents the groups of numbers/ symbols based on the following coding system and the conditions that follow and mark the number of that combinations as your answer. If none of the combinations correctly represents the group of numbers/symbols, give 5 i.e. 'None of these' as your answer.

Number/Symbol	%	6	#	5	@	7	3	★	β	8	\$	2	©	9	4
Letters Code	F	I	H	U	T	K	A	C	W	R	M	E	Q	B	P

- Conditions:** i) If the first element is a symbol and the last an odd number, the codes for both these are to be interchanged
ii) If both first and last elements are even digits, both these are to be coded as the code for the first even digit.
iii) If first elements is a symbol and last element a perfect square, both these are to be coded as "£"

11. #57★93

- 1) HUKCBA 2) HUKCBH 3) AUKBCH 4) AUKCBH
5) None of these

12. 4@92%6

- 1) ITBEFP 2) PTBEFP 3) PTBEFP 4) £TBEF£
5) None of these

13. @\$9674

- 1) £MKBI£ 2) PMBIKT 3) TMBIKT 4) £MBIK£
5) None of these

14. ©%7263

- 1) QFKEIA 2) AFKEIQ 3) AKFEIQ 4) £FKEI£
5) None of these

15. 5β86©9

- 1) UWQRIB 2) £WQRIT 3) BWRIQB 4) £WRIQ£
5) None of these

Directions (16–20): Study the following information carefully and answer the given questions.

Eight friends E, F, G, H, J, L, M and N are sitting around a circle facing the centre. E sits fourth to the right of F. H sits second of the left of F. J sits third to right of M and M is not an immediate neighbour of H. G is not an immediate neighbour of E and N sits second to left of G.

16. In which of the following groups of people is the third person sitting exactly in the middle of the first and the second persons?

- 1) HLE 2) MGL 3) MFJ 4) HFN
5) None of these

17. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group?

- 1) EN 2) FL 3) ME 4) LH
5) NM

18. Which of the following pairs represents the immediate neighbours of M?

- 1) LE 2) JH 3) LG 4) FG
5) None of these

19. Starting from E, if all the friends are made to sit in the alphabetical order of their names in the anticlockwise direction, the positions of how many (except E) will remain unchanged?

- 1) None 2) One 3) Two 4) Three
5) None of these

20. Who sits third to the right of F?

- 1) J 2) L 3) H 4) M
5) None of these

Directions(21–25): Study the following arrangement carefully and answer the questions given below.

L 5 \$ 9 N ★ S E # Q β U 6 % @ F © V & 8 A Z 7 K 4 W M 3 C 2

21. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group?

- 1) %F@ 2) 74K 3) 59\$ 4) #βQ
5) 87Z

22. How many such letters are there in the above arrangement, each of which is immediately preceded by a symbol and also followed by a symbol?

- 1) None 2) One 3) Two 4) Three
5) More than three

23. How many such numbers are there in the above arrangement, each of which is immediately preceded by a vowel and immediately followed by a number?

- 1) None 2) One 3) Two 4) Three
5) More than three

24. Which of the following is the fifth to the left of the sixteenth from the left end of the above arrangement?

- 1) A 2) 8 3) U 4) β
5) None of these

25. If all the numbers are dropped from the above arrangement, which of the following will be the seventh from the right end of the above arrangement?

- 1) A 2) & 3) V 4) #
5) Q

33. If all the numbers are arranged in descending order from left to right, which of the following will be sum of all the three digits of the number which is fourth from the left?
1) None 2) One 3) Two 4) Three 5) Four
34. If all the numbers are arranged in descending order from left to right, which of the following will be sum of all three digits of the number which is fourth from the left?
1) 16 2) 19 3) 14 4) 12 5) 13
35. What will be the resultant if second digit of the lowest number is divided by its first digit?
1) 2 2) 3 3) 1.33 4) 6 5) 1.2

Directions (36–40): In each questions below are three statements followed by two conclusions numbered I and II. You have to take the three given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the three statements disregarding commonly known facts.

Give answer (1): if only conclusion I follows.

Give answer (2): if only conclusions II follows.

Give answer (3): if either conclusion I or conclusion II follows.

Give answer (4): if neither conclusion I nor conclusion II follows.

Give answer (5): if both conclusions I and II follow.

36. **Statements:** All stars are planets.
All planets are moons.
No moon is a sun.
Conclusions: I. All stars are suns.
II. No moon is a star.
37. **Statements:** Some computers are keyboards.
Some keyboards are wires.
Some wires are switches.
Conclusions: I. Some computers are switches.
II. Some wires are computers.
38. **Statements:** No cap is a hat.
All hats are feathers.
All feathers are papers.
Conclusions: I. All hats are papers.
II. All feathers are caps.
39. **Statements:** All nylons are cottons.
All cottons are wools.
Some wools are polyesters.
Conclusions: I. Some cottons are polyesters.
II. Some wools are nylons.

40. **Statements:** All calculators are watches.

All phones are watches.

All watches are televisions.

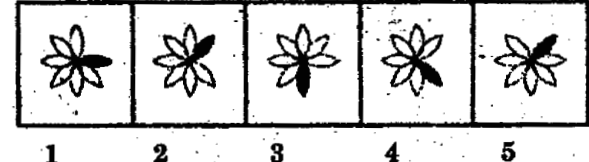
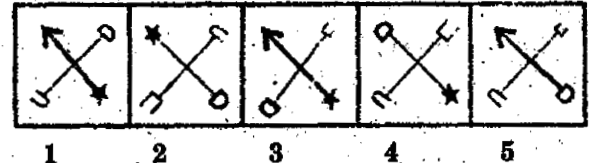
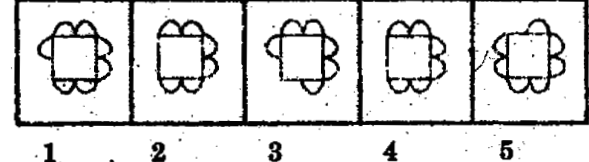
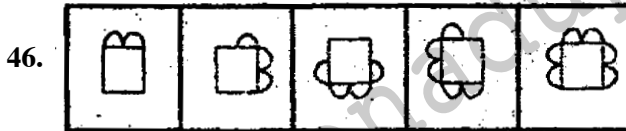
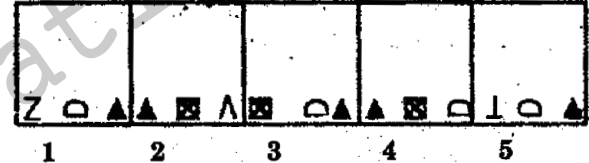
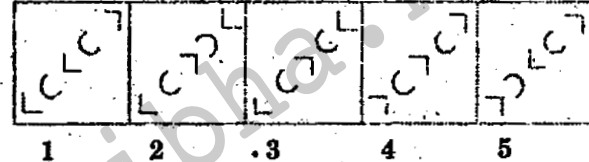
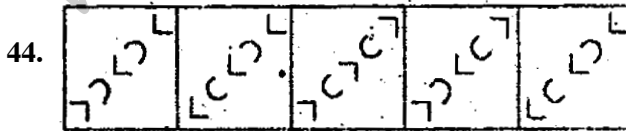
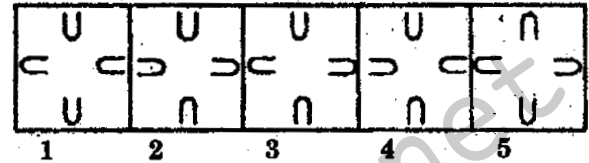
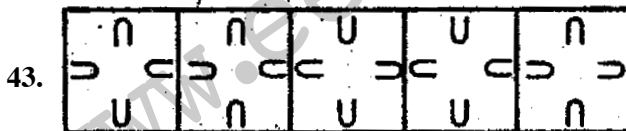
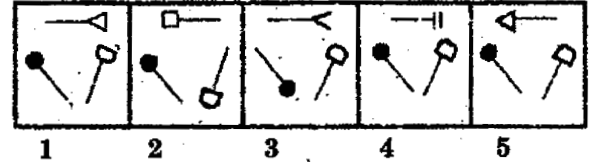
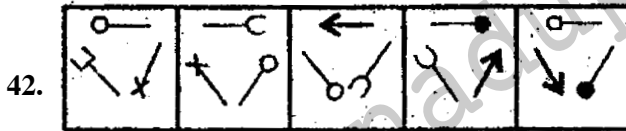
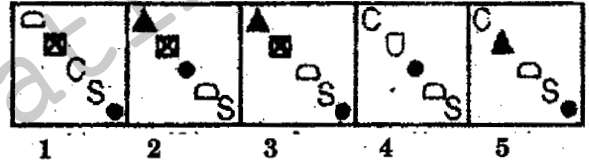
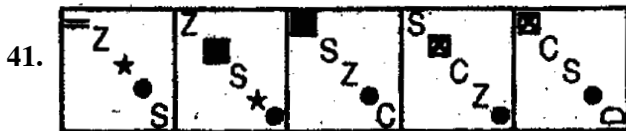
Conclusions: I. All phones are televisions.

II. Some televisions are calculators.

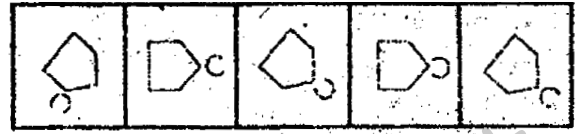
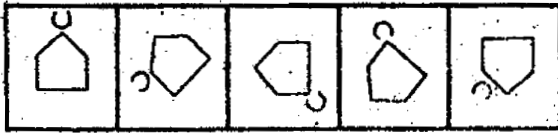
Directions (41 – 50): In each of the questions given below which one of the five answer figures on the right should come after the problem figures on the left, if the sequence were continued?

PROBLEM FIGURES

ANSWER FIGURES

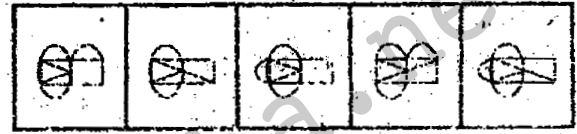
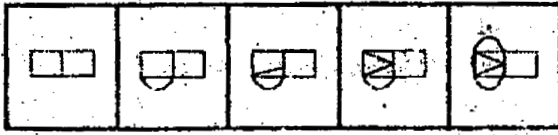


49.



1 2 3 4 5

50.



1 2 3 4 5

TEST OF NUMERICAL ABILITY

Directions (51–75): What will come in place of the question mark (?) in the following questions?

51. $11 \times 468 \div 26 = ? + 13$

- 1) 175 2) 185 3) 211 4) 201
5) None of these

52. $\sqrt{?} \% \text{ of } 160 = 64 \div 2$

- 1) 40 2) 400 3) 20 4) $\sqrt{20}$
5) None of these

53. $\sqrt{42 \times 3 + 14 \times 4 + 179} = ?$

- 1) $\sqrt{19}$ 2) 361 3) $(361)^2$ 4) $\sqrt{325}$
5) None of these

54. $(224 \div 14)^2 \div 32 + 47 = ?$

- 1) 55 2) 45 3) 65 4) 35
5) None of these

55. $255 \div 17 \div 5 = (?)^2$

- 1) 9 2) $\sqrt{3}$ 3) 3 4) 27 5) 81

56. $\sqrt{1156} \div \sqrt{289} = ? \div 8$

- 1) 32 2) 16 3) 0.25 4) 0.45
5) None of these

57. $? \% \text{ of } 550 - 12 \% \text{ of } 150 = 125$

- 1) 54 2) 44 3) 16 4) 36
5) None of these

58. $87878 - 7878 - 6666 - 777 - 33 = ?$

- 1) 73354 2) 75224 3) 72534 4) 72524
5) None of these

59. $(1 + \sqrt{5})^2 = ? + \sqrt{20}$

- 1) $6 + 4\sqrt{5}$ 2) $4\sqrt{5}$ 3) 6 4) $\sqrt{6}$
5) None of these

60. $(3)^{3.5} \times (9)^{2.2} \div 27 = (3)^?$

- 1) 3.7 2) 4.6 3) 5.9 4) 4.9
5) None of these

61. $4\frac{1}{3} + 3\frac{1}{4} - 1\frac{1}{12} = ?$

- 1) $6\frac{1}{2}$ 2) $6\frac{5}{12}$ 3) $4\frac{1}{2}$ 4) $1\frac{1}{12}$
5) None of these

62. $214 - (5)^3 \times 9 \div 15 = ?$

- 1) 149 2) 133 3) 159 4) 143
5) None of these

63. $2234 + 84 - 1273 = ? + 123$

- 1) 922 2) 932 3) 822 4) 832
5) None of these

64. $45\% \text{ of } 160 + 14\% \text{ of } 250 = ? - 23$

- 1) 120 2) 138 3) 130 4) 140
5) None of these

65. $\frac{3}{13} \text{ of } \frac{5}{9} \text{ of } 585 = ?$

- 1) 5 2) 25 3) 75 4) 125
5) None of these

66. $56.703 - 63.179 + 49.361 = ?$

- 1) 41.785 2) 41.885 3) 42.895 4) 42.885
5) None of these

67. $135 - 924 \div 132 \times 6 = ?$

- 1) 93 2) 103 3) 43 4) 123
5) None of these

68. $2\frac{3}{5} \times 2\frac{4}{13} \times 1\frac{1}{3} \div 1\frac{7}{9} = ?$

- 1) $2\frac{1}{4}$ 2) $4\frac{1}{4}$ 3) $\frac{7}{8}$ 4) $2\frac{1}{2}$
5) None of these

69. $(6)^2 \times (9)^2 \div (3)^3 = (?) \times 5$

- 1) 21.6 2) 21.06 3) 540 4) 504
5) None of these

70. $750.46 + 114.09 - 840.04 = ? - 13.09$

- 1) 37.06 2) 63.78 3) 37.60 4) 67.38
5) None of these

71. $? \div 12 \times 17 = 238$
1) 178 2) 218 3) 128 4) 208
5) None of these
72. $264 \div \sqrt{576} + (11)^2 + 12 = (?)^2$
1) $\sqrt{12}$ 2) 144 3) 12 4) $(132)^2$ 5) 132
73. $\sqrt{841} \times \sqrt{64} \div \sqrt{25} = ?$
1) 44.6 2) 46.4 3) 45.75 4) 44.06
5) None of these
74. $64\% \text{ of } 750 \div 4 = ? \div 5$
1) 24 2) 48 3) 300 4) 600
5) None of these
75. $(0.04)^5 \times (0.2)^4 \div (0.008)^2 = (0.2)^?$
1) 5 2) 6 3) 7 4) 8
5) None of these
76. A man crosses a stationary train in 5 minutes. The same train crosses a pole in 48 seconds. What is the ratio between the speed of the man and the speed of the train respectively?
1) 3 : 25 2) 4 : 25 3) 25 : 3
4) Cannot be determined 5) None of these
77. In a quadrilateral PQRS, angle Q is twice the angle P. Angle R is thrice the angle P. The value of angle R is 150° . What is the difference between angle Q and angle S?
1) 30° 2) 60° 3) 40° 4) 50°
5) None of these
78. Kshitiz drinks 905 ml. of water every day. How many litres of water will he consume in 15 days?
1) 13.655 litres 2) 17.575 litres 3) 13.575 litres 4) 15.745 litres
5) None of these
79. The sum of the four consecutive even numbers is 156. What is the value of thrice the largest even number?
1) 124 2) 128 3) 136 4) 134
5) None of these
80. Train fare between Nagpur and Nasik for one adult is three times the train fare for one child. If adult's train fare is Rs.102, how much amount will be paid by 3 adults and 4 children together for travelling the same distance?
1) Rs.432 2) Rs.532 3) Rs.612 4) Rs.442
5) None of these
81. Three men can complete a piece of work in 18 days. 6 boys can also complete the same piece of work in 18 days, in how many days will 4 men and 4 boys together complete the same piece of work?
1) 10 days 2) 6 days 3) 12 days 4) 9 days
5) None of these

82. The average marks of a student in seven subjects is 41. After re-evaluation in one subject the marks were changed to 42 from 14 and in remaining subjects the marks remained unchanged. What are the new average marks?
- 1) 45 2) 44 3) 46 4) 47
5) None of these
83. Six-seventh of a number is equal to the sum of $(3)^2$ and $(15)^2$ together. What is the number?
- 1) 273 2) 263 3) 234 4) 242
5) None of these
84. What will be the simple interest accrued on a sum of Rs.5224 at a rate of 5 p.c.p.a. in the number?
- 1) Rs.1,360 2) Rs.653 3) Rs.763 4) Rs.1,206
5) None of these
85. The average speed of a car is 75 kmph. What will be the average speed of the car if the driver decreases the average speed of the car by 40 percent?
- 1) 50 kmph 2) 45 kmph 3) 40 kmph 4) 55 kmph
5) None of these

Directions (86 – 88): What will come in place of the question marks?

86. 4 29 129 354 754 (?)
- 1) 1376 2) 1368 3) 1379 4) 1739
5) None of these
87. 13 19 31 49 73 (?)
- 1) 97 2) 103 3) 109 4) 91
5) None of these
88. 456 392 360 344 336 (?)
- 1) 332 2) 328 3) 340 4) 324
5) None of these
89. In an examination Sunil secured 480 marks out of 1200 marks and failed by 96 marks. What is the minimum passing percentage?
- 1) 46 2) 45 3) 42 4) 38
5) None of these
90. What will come in place of both the question marks (?) in the following questions?
- $\frac{?}{7} = \frac{28}{?}$
- 1) $\sqrt{14}$ 2) $(196)^2$ 3) 196 4) 14 5) 12
91. The difference between the length and the breadth of rectangle is 7 cms. and the perimeter of the rectangle is 50 cms. What is the area of the rectangle?
- 1) 144 sq. cms. 2) 154 sq. cms. 3) 288 sq. cms. 4) 216 sq. cms.
5) None of these

92. The base of a right angled triangle is 9 cm. and its area is 81 sq. cm. What is the height of the right angled triangle?
- 1) 36 cm 2) 9 cm 3) 27 cm 4) 12 cm
- 5) None of these
93. A radius of a circle is 1 cm less than half the side of a square whose area is 256 sq. cm. What is the area of the circle?
- 1) 132 sq.cm 2) 154 sq.cm 3) 144 sq.cm. 4) 165 sq.cm
- 5) None of these
94. Raju sold an item for Rs.6,000 at a loss of 25%. At what cost would he have purchased that item?
- 1) Rs.7,500 2) Rs.7,200 3) RS.8,000 4) Rs.8,500
- 5) None of these
95. A number when multiplied by five times of itself gives the value equal to 720. What is the number?
- 1) 13 2) 9 3) 15 4) 8 5) 12
96. The postal charges for booking a parcel of 250 gram are Rs.75. What will be the postal charges for booking a parcel of 1.8 kilogram?
- 1) Rs.600 2) Rs.540 3) Rs.500 4) Rs.560
- 5) None of these
97. What is the smallest number which when divided by 8, 12 and 14 gives the remainder 6?
- 1) 174 2) 168 3) 162 4) 154
- 5) None of these
98. The ratio between the present ages of a man and his wife is 4 : 3 respectively. Also, the man is 8 years older than his wife. What is the present age of their daughter who is one-eighth the present age of her mother?
- 1) 6 years 2) 3 years 3) 12 years 4) 9 years
- 5) None of these
99. Last year there were 720 tigers in wild life sanctuary. The number increased by 15 percent this year. How many tiger remain this years in the wild life sanctuary?
- 1) 728 2) 816 3) 828 4) 810
- 5) None of these
100. If Rs.4,601 were distributed equally among 37 people, Rs.13 was left out. How much amount did each person get?
- 1) Rs.136 2) Rs.144 3) Rs.128 4) Rs.124
- 5) NOne of these

TEST OF THE ENGLISH LANGUAGE

Directions(101–115): Read the following passage carefully and answer the questions given below it. Certain words have been printed in bold to the help you locate them while answering some of the questions.

A sobbing little girl stood near a small school from which she had been turned away because it was too crowded. "I can't go to School", she sobbed to a priest as he walked by. Seeing her shabby, unkempt appearance, the priest guessed the reason and, taking her by the hand, took her inside and found a place for her in the school class. The child was so touched that she went to bed that night thinking of the children who have no place to study.

Some two years later, this child lay dead in one of the poor tenement buildings and the parents called for the kindhearted priest, who had befriended their daughter, to handle the final arrangements. As her poor little body was being moved, a worn and crumpled purse was found which seemed to have been rummaged from some trash dump. Inside were found 57 cents and note scribbled in childish handwriting which read, "This is to help make the little school bigger so more children can go to school".

For two years she had saved for this offering of love. When the priest tearfully read that note, he knew instantly what he would do.

Carrying this note and the cracked, red pocketbook to the stage, he told the story of her unselfish love and devotion. He challenged his assistants to get busy and raise enough money for the larger building.

A newspaper learned of the story and published it, It was read by a realtor who offered them a parcel of land worth many thousands. When told that the school could not pay so much he offered it for a 57 percent payment.

Religious members too made large subscriptions. cheques came from for and wide. within five years the little girl's gift had increased to \$2,50,000 – a huge sum for that time. Her unselfish love had paid large dividends. The school building houses hundreds of scholars, so that no child in the area will ever need to be left outside at school time.

In one of the rooms of this building may be seen the picture of the sweet face of the little girl whose 57 cents, so sacrificially saved, made such remarkable history. Alongside of it is a a portrait of her kind priest.

101. How did the little girl die?

- 1) She had died from suffocation in the tenement building
- 2) She had starved to death
- 3) She fell from a poor tenement building
- 4) Not mentioned in the passage
- 5) None of these

102. What was found on the girl's body after her death?

- 1) A purse containing the drawing of a school
- 2) Notes that she had taken during school
- 3) A note to the priest thanking him for his kindness
- 4) A purse containing the address to her new school
- 5) None of these

103. In what manner did the realtor help in making the little girl's dream come true?
- 1) By buying a land for the building of the schools for thousands of dollars
 - 2) By building the school himself
 - 3) By giving away land for building the school at a negligible price
 - 4) By publishing the girl's story in the newspaper
 - 5) None of these
104. What was the real reason behind the girl not being allowed into the school?
- 1) The girl had a learning disability
 - 2) She was poor and inappropriately dressed
 - 3) The teachers were too busy to teach her
 - 4) The school was full of good students and did not need one more
 - 5) The other kids in the school did not like her
105. Which of the following can be the most appropriate title for the passage/story?
- 1) The girl with the 57 cents
 - 2) The making of any school
 - 3) A realtor's sacrifice
 - 4) How newspapers spread information
 - 5) A priest and his religion
106. Which of the following characteristics can be attributed to the little girl from the story?
- A) She was brave B) She was selfish C) She was loving
- 1) Only A
 - 2) Only A and C
 - 3) All A, B and C
 - 4) Only C
 - 5) Only B and C
107. Which of the following cannot be said about the priest ?
- A) He was insensitive.
B) He put his thoughts into action.
C) He was compassionate.
- 1) Only B
 - 2) Only C
 - 3) Only A
 - 4) Only B and C
 - 5) Only A and C
108. What was the little girl's idea behind wanting to build a bigger school?
- 1) The current school was not providing quality education
 - 2) More students could study in the school
 - 3) To gain popularity
 - 4) Not mentioned in the passage
 - 5) None of these
109. How was the priest instrumental in fulfilling the little girl's dream?
- 1) He shared her story and urged his helpers to raise money and got school constructed
 - 2) He constructed the school building
 - 3) He handed over the 57 cents to the realtor himself
 - 4) He helped in the cremation of the little girl's body
 - 5) He informed the newspaper of the little girl's plight

110. What was the final outcome of the 57 cents saved by the little girl?

- 1) The 57 cents were taken by the priest as a fee for his service to the little girl
- 2) Nothing could be done with the 57 cents as the amount was too small
- 3) A home for the poor was built with the 57 cents
- 4) The 57 cents increased to a sum of \$ 2,50,000 and was donated to charity
- 5) The amount grew manifold due to various contributions and a school housing hundreds was finally built.

Directions (111–113): Choose the word/ group of words which is **most similar** in meaning to the word/ group of words printed in **bold** as used in the passage

111. **WORTH**

- 1) Costing
- 2) Importance
- 3) Significance
- 4) Appeal
- 5) Merit

112. **TOUCHED**

- 1) Patted
- 2) Tapped
- 3) Felt
- 4) Moved
- 5) Called

113. **UNKEMPT**

- 1) Untidy
- 2) Tiny
- 3) Torn
- 4) Proper
- 5) Worried

Directions (114 – 115): Choose the word which is most opposite in meaning to the word printed in **bold** as used in the passage

114. **BEFRIENDED**

- 1) Recoiled
- 2) Killed
- 3) Accepted
- 4) Mistrusted
- 5) Ignored

115. **KIND**

- 1) Unique
- 2) Heartless
- 3) Careless
- 4) Common
- 5) Loving

Directions (116–120): Which of the phrases 1, 2, 3 and 4 given below each sentence should replace the phrase printed in, **bold** in the sentence to make it grammatically correct ? if the sentence is correct as it is given and no correction is required, mark 5 as the answer.

116. As Anuj was familiar with the road to Neeraj's house, he **lead the way**.

- 1) Led the way
- 2) Led a way
- 3) Leading ways
- 4) Lead ways
- 5) No correction required

117. Although he was new to the field of painting, Shared **give it a go**.

- 1) gave goes
- 2) gives his go
- 3) gave it a go
- 4) giving it goes

118. The performance of the band on New Year's Eve was **out of worlds**

- 1) Out of the worldly
- 2) Outing of worlds
- 3) Out from the world
- 4) Out of the world
- 5) No correction required

119. Parents are **changing with the times** and are friendlier and more open to their children's views

- 1) Changed timings 2) Changed to the time 3) Changing times
4) Change with time 5) No correction required

120. Many people do not like to **switch at** one brand to another.

- 1) Switched 2) Switches at 3) Switch from 4) Switching
5) No correction required

Directions (121 – 125): In each question below, a sentence with four words printed in **bold** type is given. These are numbered as 1, 2, 3 and 4. One of these four words printed in **bold** may be either **Wrongly spelt or inappropriate** in the context of the sentences. Find out the word which is wrongly spelt or inappropriate if any. The number of that word is your answer. If all the words printed in **bold** are correctly spelt and also appropriate in the context of the sentences, mark 5, i.e., 'All correct' as your answer.

121. **Besides** 1/ the duties of **compassion** 2/ **harmlessness** and 3/ **forgiveness** there are still duties that we owe to others. 4/ All correct 5.

122. There was once a Brahmana who has made a **vow** 1/ that he would only eat food that he **could** 2/ **gather** 3/ in the **fields**. 4/ All correct 5.

123. By far the most **urgent** 1/ need of industry in **journal** 2/ and of IT industry in **particular** 3/ is the need for **skilled** 4/ manpower. All correct 5.

124. The King gave **away** 1/ all that he had, and he and his **family** 2/ went without food so that they **might** 3/ feed the **hungry**. 4/ All correct 5.

125. We must **feel** 1/ love for all, no **matter** 2/ **whether** 3/ they are of our own family or **strangers** or whether they are rich or poor. 4/ All correct 5.

Directions (126 – 130): Rearrange the following six sentences A, B, C, D, E and F in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

- (A) When my schoolmates asked, "What happened to your lip?" I'd tell them that I'd fallen as a baby and cut it on a piece of glass.
(B) At a very young age, I knew I was different and I hated it.
(C) They saw me as a little girl with a broken lip, crooked nose, lopsided teeth, and hollow and some what slurred speech
(D) Somehow it seemed more acceptable to have suffered an accident than to have been born different.
(E) Beside this physical appearance, I couldn't even blow up a balloon without holding my nose, and when I bent to drink from a fountain, the water spilled out of my nose.
(F) This was because I was born with a cleft palate, and when I started to go to school, my classmates, who were constantly teasing, made it clear to me how I must look to others .

126. Which of the following should be the **FIRST** sentence after rearrangement?

- 1) A 2) B 3) C 4) D 5) E

127. Which of the following should be the **THIRD** sentences after re arrangement?

- 1) A 2) B 3) C 4) D 5) F

128. Which of the following should be the **LAST (SIXTH)** sentence after rearrangement?

- 1) F 2) E 3) D 4) C 5) B

