

### QUANTITATIVE APTITUDE

Directions (81-95) : What will come in place of the question mark (?) in the following questions?

81.  $2.8 \times 1.5 + 8\%$  of  $250 = ?$

- (1) 24.2  
(2) 24.02  
(3) 242.2  
(4) 2.42  
(5) None of these

82.  $3\frac{2}{7} - 2\frac{1}{14} - 1\frac{1}{7} = ? + 2\frac{1}{14}$

- (1)  $\frac{1}{7}$  (2)  $\frac{2}{7}$   
(3)  $\frac{1}{7}$  (4)  $\frac{3}{7}$

(5) None of these

83.  $\frac{3}{8}$  of  $\frac{4}{5}$  of  $\frac{2}{3}$  of 730 = ?

- (1) 86 (2) 146  
(3) 156 (4) 93

(5) None of these

84.  $8^5 \times 2^9 \div 8^4 = 8^?$

- (1) 10.6 (2) 9.6  
(3) 8.6 (4) 6.6

(5) None of these

85. 160% of 250 + ? = 120% of 400

- (1) 160 (2) 40  
(3) 80 (4) 120

(5) None of these

86.  $38 \times 58 \times 11.5 = 31.653 = ?$

- (1) 234.880 (2) 265.494  
(3) 213.967 (4) 256.072

(5) None of these

87.  $\frac{4}{5}$  of  $\frac{4}{7}$  of  $\frac{5}{6}$  of 1218 = ?

- (1) 415 (2) 384  
(3) 492 (4) 340

(5) None of these

88. 93% of 456 = ?

- (1) 435.00 (2) 419.02  
(3) 443.04 (4) 424.08

(5) None of these

89.  $8.2 \times ? = 665.76$

- (1) 66.8 (2) 48.6  
(3) 62.4 (4) 74.2

(5) None of these

90.  $1.485 \div (44 \times 0.75) = ?$

- (1) 33 (2) 56  
(3) 45 (4) 67

(5) None of these

91.  $128 \div 8 \div 0.4 = ?$

- (1) 36 (2) 42  
(3) 48 (4) 54  
(5) None of these

92.  $9358 - 5086 - 2384 = ?$

- (1) 1788  
(2) 1988  
(3) 2188  
(4) 2388  
(5) None of these

93.  $8\frac{5}{6} + 10\frac{11}{36} = ?$

- (1)  $\frac{5}{8}$  (2)  $\frac{5}{7}$   
(3)  $\frac{6}{7}$  (4)  $\frac{6}{11}$

(5) None of these

94.  $25 \times 4 \div 800 = (?)$

- (1) 300000 (2) 60000  
(3) 3000 (4) 6000

(5) None of these

95.  $23.35 + 33.25 + 325.52 = ?$

- (1) 382.12 (2) 387.14  
(3) 391.92 (4) 404.86

(5) None of these

Directions (96-100): What will come in place of the question mark (?) in each of the following number series?

96. 2 8 26 ? 242

- (1) 78 (2) 72  
(3) 82 (4) 84

(5) None of these

97. 3 4 12 ? 196

- (1) 45 (2) 40  
(3) 41 (4) 49

(5) None of these

98. 9 17 ? 65 129

- (1) 32 (2) 24  
(3) 35 (4) 33

(5) None of these

99. 7 13 ? 49 97

- (1) 27 (2) 25  
(3) 23 (4) 29

(5) None of these

100. 5 3 4 ? 64.75

- (1) 15 (2) 15.5  
(3) 17.5 (4) 17.25

(5) None of these

101. Present ages of Amit and his father are in the ratio of 2 : 5 respectively. Four years hence the ratio of their ages becomes 5 : 11 respectively. What was father's age five years ago?

- (1) 40 years (2) 45 years  
(3) 30 years (4) 35 years  
(5) None of these

102. Twice the square of a number is six times the other number. What is the ratio between the first number and the second number?

- (1) 1 : 4 (2) 2 : 5  
(3) 1 : 3  
(4) Cannot be determined  
(5) None of these

103. Manoj sold an article for Rs. 15,000. Had he offered a discount of 10% on the selling price he would have earned a profit of 8%. What is the cost price?

- (1) Rs. 12,500 (2) Rs. 13,500  
(3) Rs. 12,250 (4) Rs. 13,250

(5) None of these

104. Cost of 8 pens and 4 pencils is Rs. 176 and the cost of 2 pens and 2 pencils is Rs. 48. What is the cost of one pen?

- (1) Rs. 16 (2) Rs. 14  
(3) Rs. 12 (4) Rs. 18

(5) None of these

105. B and C together can complete a work in 8 days, A and B together can complete the same work in 12 days and A and C together can complete the same work in 16 days. In how many days can A, B and C together complete the same work?

- (1)  $3\frac{9}{13}$  (2)  $7\frac{5}{13}$   
(3)  $7\frac{5}{12}$  (4)  $3\frac{5}{12}$

(5) None of these

106. What will be the compound interest accrued on an amount of Rs. 10,000 at the rate of 20 p.c.p.a. in two years if the interest is compounded half yearly?

- (1) Rs. 4,400 (2) Rs. 4,600  
(3) Rs. 4,841 (4) Rs. 4,880

(5) None of these

107. Income of A is 150% of the income of B and income of C is 120% of the income of A. If the total income of A, B and C together is Rs. 86,000, what is C's income?

- (1) Rs. 30,000  
(2) Rs. 32,000

- (3) Rs. 20,000  
(4) Rs. 30,000  
(5) None of these
108. The average of 5 consecutive even numbers A, B, C, D and E is 106. What is the product of B and D?  
(1) 11440 (2) 11024  
(3) 10608 (4) 11232  
(5) None of these
109. The owner of a cell phone shop charges his customer 23% more than the cost price. If a customer paid Rs. 7,011 for a cell phone, then what was the cost price of the cell phone?  
(1) Rs. 5,845 (2) Rs. 6,750  
(3) Rs. 5,900 (4) Rs. 6,925  
(5) None of these
110. If the fractions  $\frac{1}{5}, \frac{2}{7}, \frac{3}{5}, \frac{5}{6}$  and  $\frac{11}{13}$  are arranged in descending order of their values, which one will be the fourth?  
(1)  $\frac{11}{13}$  (2)  $\frac{2}{3}$   
(3)  $\frac{5}{6}$  (4)  $\frac{1}{5}$   
(5) None of these
111. Ms. Vishakha deposits an amount of Rs. 35,800 to obtain a simple interest at the rate of 15 p.c.p.a. for 4 years. What total amount will Ms. Vishakha get at the end of 4 years?  
(1) Rs. 45,880 (2) Rs. 39,880  
(3) Rs. 21,480 (4) Rs. 57, 280  
(5) None of these
112. There are 2010 employees in an organisation, out of which 30% got transferred to different places. How many such employees are there who got transferred?  
(1) 603 (2) 402  
(3) 804 (4) 703  
(5) None of these
113. What would be the simple interest obtained on an amount of Rs. 8,930 at the rate of 8 p.c.p.a. after 5 years?  
(1) Rs. 5, 413 (2) Rs. 2,678  
(3) Rs. 3,572 (4) Rs. 4,752  
(5) None of these

114. What is the least number to be added to 7700 to make it a perfect square?  
(1) 131 (2) 221  
(3) 77 (4) 98  
(5) None of these
115. Find the average of the following set of scores :  
125, 133, 298, 345, 446, 507  
(1) 312 (2) 309  
(3) 315 (4) 306  
(5) None of these

Directions (116-120) : Study the following table carefully to answer these questions.

PERCENTAGE OF MARKS OBTAINED BY SIX STUDENTS IN DIFFERENT SUBJECTS

Subject	His	Geo	Math	Sci	Eco	Eng
Maximum Marks	50	50	100	75	100	120
Student						
A	86	82	77	72	69	66
B	80	74	73	66	76	84
C	68	92	89	78	75	72
D	76	84	83	81	59	60
E	72	66	82	87	62	78
F	84	64	93	63	81	54

Note : His - History, Geo - Geography, Math - Mathematics, Sci - Science  
Eco - Economics, Eng - English

116. What are the average marks obtained by all students in Geography?  
(1) 41.5 (2) 42.5  
(3) 38.5 (4) 30.5  
(5) None of these
117. Marks obtained by E in Economics are approximately what per cent of the total marks obtained by him in all subjects together?  
(1) 12 (2) 8  
(3) 10 (4) 22  
(5) 17
118. What is the overall percentage of marks obtained by all the students in English?  
(1) 83 (2) 69  
(3) 71 (4) 81  
(5) None of these
119. What are total marks obtained by D in History, Mathematics, Science and English together?  
(1) 256.25 (2) 275.55  
(3) 235.75 (4) 253.75  
(5) None of these
120. What are the total marks obtained by 'B' in all subjects together?  
(1) 376.3 (2) 373.6  
(3) 376.6 (4) 373.3  
(5) None of these

### REASONING

121. 'Mustard' is related to 'Seed' in the same way as 'Carrot' is related to \_\_\_\_\_?  
(1) Fruit (2) Stem  
(3) Flower (4) Root  
(5) None of these
122. How many meaningful English words can be formed with the letters ESTR using each letter only once in each word?  
(1) None (2) One  
(3) Two (4) Three  
(5) None of these
123. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?  
(1) Cup (2) Jug  
(3) Tumbler (4) Plate  
(5) Pitcher
124. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?  
(1) Copper (2) Mercury  
(3) Iron (4) Aluminium  
(5) Zinc

125. 'FF' is related to 'LO' in the same way as 'PS' is related to \_\_\_\_\_?  
 (1) VY (2) VZ  
 (3) WZ (4) UX  
 (5) None of these

126. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?  
 (1) 1217 (2) 103  
 (3) 241 (4) 157  
 (5) 131

127. K is brother of T. M is mother of K. W is brother of M. How is W related to T?  
 (1) Maternal uncle  
 (2) Paternal uncle  
 (3) Grandfather  
 (4) Data inadequate  
 (5) None of these

128. 'Gram' is related to 'Mass' in the same way as 'Centimeter' is related to \_\_\_\_\_?  
 (1) Area (2) Volume  
 (3) Length (4) Sound  
 (5) Energy

129. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?  
 (1) 12 (2) 28  
 (3) 52 (4) 68  
 (5) 96

130. If 'white' means 'black', 'black' means 'red', 'red' means 'blue', 'blue' means 'yellow' and 'yellow' means 'grey', then which of the following represents the colour of clear sky?  
 (1) blue (2) red  
 (3) yellow  
 (4) Cannot be determined  
 (5) None of these

131. How many such pairs of letters are there in the word STAPLER each of which has as many letters between them in the word as in the English alphabet?  
 (1) None (2) One  
 (3) Two (4) Three  
 (5) More than three

132. In a certain code MODEL is written as '51362' and DEAR is written as '36'8'. How is LOAD written in that code?

- (1) 2153 (2) 2351  
 (3) 2553 (4) 2153  
 (5) None of these

133. Town D is to the West of town M. Town R is to the South of town D. Town K is to the East of town R. Town K is towards which direction of town D?  
 (1) South  
 (2) East  
 (3) North-East  
 (4) South-East  
 (5) None of these

134. How many such digits are there in the number 5261983 each of which is as far away from the beginning of the number as when the digits are arranged in ascending order within the number?  
 (1) None (2) One  
 (3) Two (4) Three  
 (5) None of these

135. What should come next in the following letter series?  
 H G F E D C B A H G F E  
 D C B H G F E D C H  
 (1) F (2) G  
 (3) B (4) A  
 (5) None of these

**Directions (136-140) :** In each of the questions below are given three statements followed by two conclusions numbered I and II. You have to take 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 conclusions logically follows from the given statements disregarding commonly known facts.

**Give answer (1)** if only Conclusion I follows.

**Give answer (2)** if only Conclusion II follows.

**Give answer (3)** if either Conclusion I or II follows.

**Give answer (4)** if neither Conclusion I nor II follows.

**Give answer (5)** if both Conclusions I and II follow.

136. **Statements:**  
 All benches are cats.  
 No cat is lamp.  
 Some lamps are candles.

**Conclusions:**

- I. Some cats are benches.  
 II. Some candles are cats.

137. **Statements:**

- Some cats are dogs.  
 All dogs are goats.  
 All goats are walls.

**Conclusions:**

- I. Some walls are dogs.  
 II. Some walls are cats.

138. **Statements:**

- Some buildings are sofas.  
 Some sofas are benches.  
 Some benches are tables.

**Conclusions:**

- I. Some tables are sofas.  
 II. No table is sofa.

139. **Statements:**

- All rats are bats.  
 Some bats are desks.  
 All desks are chairs.

**Conclusions:**

- I. Some desks are rats.  
 II. Some chairs are rats.

140. **Statements:**

- Some roads are ponds.  
 All ponds are stores.  
 Some stores are bags.

**Conclusions:**

- I. Some bags are ponds.  
 II. Some stores are roads.

**Directions (141 - 145) :** Study the following information carefully and answer the questions given below:

P, Q, R, S, T and M are six students of a school, one each studies in Class I-VI. Each of them has a favourite colour from red, black, blue, yellow, pink and green, not necessarily in the same order.

Q likes black and does not study in Class IV or V. The one who studies in class IV does not like green. P studies in class II. M likes blue and does not study in class IV. The one who likes yellow studies in class VI. S likes pink and studies in class I. R does not study in class VI.

141. In which class does R study?

- (1) V  
 (2) III  
 (3) IV  
 (4) Data inadequate  
 (5) None of these

142. Which colour does R like?

- (1) Black (2) Yellow

- (3) Green (4) Blue  
 (5) None of these
143. Which colour does P like?  
 (1) Green (2) Yellow  
 (3) Red  
 (4) Data inadequate  
 (5) None of these
144. Which of the following combinations is correct?  
 (1) P-II-Yellow  
 (2) Q-III-Green  
 (3) S-I-Black  
 (4) T-V-Yellow  
 (5) None of these
145. In which class does M study?  
 (1) IV (2) III  
 (3) II (4) V  
 (5) None of these

**Directions (146 - 150):** In the following questions, the symbols @, C, \$, % and \* are used with the following meaning as illustrated below:

'P @ Q' means 'P is not greater than Q'.

'P % Q' means 'P is not smaller than Q'.

'P \* Q' means 'P is neither smaller than nor equal to Q'.

'P @ Q' means 'P is neither greater than nor equal to Q'.

'P \$ Q' means 'P is neither greater than nor smaller than Q'.

Now in each of the following questions assuming the given statements to be true, find which of the two conclusions I and II given below them is/are definitely true?

Give answer (1) if only Conclusion I is true.

Give answer (2) if only Conclusion II is true.

Give answer (3) if either Conclusion I or II is true.

Give answer (4) if neither Conclusion I nor II is true.

Give answer (5) if both Conclusions I and II are true.

146. Statements:  
 K@V, VCN, N%F  
 Conclusions:  
 I. F@V II. K@N
147. Statements:  
 HCW, W\$M, M@B  
 Conclusions:  
 I. B\*\$H II. M% H

148. Statements:  
 D% B, B\*\$T, T\$M  
 Conclusions:  
 I. T@D II. M@D

149. Statements:  
 M\*\$T, T@K, K@N  
 Conclusions:  
 I. N\*\$T II. N\*\$M

150. Statements:  
 R\$J, J%D, D\*\$F  
 Conclusions:  
 I. D\$R II. D@R

**Directions (151-155):** In each question below is given a group of letters followed by four combinations of digits/symbols numbered (1), (2), (3) and (4). You have to find out which of the combinations correctly represents the group of letters based on the following coding system and the conditions and mark the number of that combination as your answer. If none of the four combinations correctly represents the group of letters, give (5) i.e. 'None of these' as the answer.

Letter	M	N	R	P	A	T	W	X	S	V	U	Z
Digit	3	4	5	7	8	9	1	2	6	0	8	4
Symbol	*	@	%	\$	#	^	&	!	~	!&	^&	!&

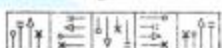
- Conditions:**
- If the first letter is a consonant and the last letter is a vowel, their codes are to be interchanged.
  - If both the first and the last letters are vowels, both are to be coded as \*.
  - If the first letter is a vowel and the last letter is a consonant, both are to be coded as the code for the consonant.

151. TUKDIP  
 (1) 104627 (2) 104621  
 (3) 704621 (4) 106427  
 (5) None of these
152. EPDMKA  
 (1) \$%-6548 (2) \$%-6545  
 (3) \*%-654\* (4) 8%-6548  
 (5) None of these
153. APWTUH  
 (1) \*7@10\* (2) 87@103  
 (3) 37@108 (4) 87@108  
 (5) None of these
154. MARTWE  
 (1) 58\*108 (2) 58\*105

- (3) 58\*105 (4) 58\*105  
 (5) None of these
155. HEMKZI  
 (1) 285400 (2) 385402  
 (3) 385400 (4) 285402  
 (5) None of these

**Directions (156 - 160):** In each of the questions given below which one of the five answer figures should come after the problem figure, if the sequences were continued?

156. Problem Figure



Answer Figures

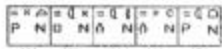


- (1) (2) (3) (4) (5)

157. Problem Figure



Answer Figures



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

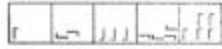
158. Problem Figure



Answer Figures



159. Problem Figure



Answer Figures



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

160. Problem Figure



Answer Figures



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

**ANSWERS**

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

**EXPLANATIONS**

- (3) Australia
- (1) K Srinath Reddy
- (4) JK Rowling
- (2) Hyderabad
- (4) United Kingdom
- (4) United Kingdom
- (4) Expected number of women to benefit from the scheme is 18.5 lakh.
- (5) All A, B and C
- (1) 12.5 per cent
- (4) South Korea
- (2) Only B
- (1) Cabinet Committee on Economic Affairs
- (2) Alaknanda
- (2) Portability
- (5) South Africa
- (3) State Bank of India
- (2) Liquidity Adjustment Facility
- (1) Gopal Singh Visharad
- (1) Augustina Nkom Nwankwo of Nigeria
- (2) July 23, 1996
- (4) Both (1) and (3)
- (2) KKKNayar
- (4) The Finkler Question
- (2) Planetary Sciences  
Swapna K Pati
- (1) Bank of Sweden Prize in Economic Sciences
- (2) Rahul Dravid in 2004
- (3) August 2007
- (3) Patrick Suptoe
- (3) Justice SU Khan rejected the claims of Muslims on the ground that Babri Masjid has been built against the tenets of Islam and therefore could not be treated as mosque.
- (2) According to Justice SU Khan, the claims of the Sunni Wakf Board and the Nirmohi Akhara are time barred.
- (3) Abhinav Bindra and Gagan Narang
- (4) Moses Kipsiro of Uganda
- (1) Prasanta Karmakar
- (2) Laisal Juma, Australia
- (3) Mahinda Rajapaksa, Sri Lankan President
- (2) Christine Amertil of the Bahamas
- (1) None
- (2) One
- (4) Tomorrow's Young Achievers by Pushpendra Mehta
- (4) Mahant Raghubar Das
- (4) To focus on domestic economic growth
- (5) None of these
- (3) Its influence and prestige have grown substantially
- (5) None of these
- (3) The harmonious world theory is the only utilitarian remedy to the current challenges facing the world
- (2) prevent any hindrance to its domestic economic development programmes
- (1) The theory is ambiguous in nature
- (3) Both (B) and (C)
- (1) America's influence in the region has reduced
- (4) Both (B) and (C)
- (3) The word 'sustained' (Adjective) means : uninterrupted; to make something continue for sometime without becoming less.  
**Look at its use in the sentence :** China has seen a period of sustained economic growth in the recent past.  
Out of the given alternatives, the word 'steady' (Adjective) means : fixed, uniform, regular.  
**Look at its use in the sentences :**  
We are making slow but steady progress.  
The castle receives a steady stream of visitors.  
Hence, the words **sustained** and **steady** are synonymous.
- (5) The word 'potential' (Adjective) means : that can develop into something or be developed in the future.  
**Look at its use in the sentence :**  
First we need to identify actual and potential problems.  
Hence, the words **possible** and **potential** are synonymous.
- (2) The word 'encompass' (Verb) means : to include a large num-

her or range of things; to surround or cover something completely.

Look at its use in the sentence-

The job encompasses a wide range of responsibilities.

The fog soon encompassed the whole valley.

Out of the given alternatives, the words incorporate also means to include something so that it forms a part of something.

Look at its use in the sentence-

The new car design incorporates all the latest safety measures. Many of your suggestions have been incorporated in the plan. Clearly, the words incorporating and encompassing are synonymous.

54. (4) The word 'commendable' (Adjective) means : deserving praise and approval; commendable honesty.

The meaning of the word 'unworthy' is : not having the necessary qualities to deserve something, especially respect.

Look at its use in the sentence :

He considered himself unworthy of the honour they had bestowed on him.

Clearly, the words commendable and unworthy are antonyms.

55. (1) The word 'allay' (Verb) means : to make something especially a feeling, less strong.

Out of the given alternatives, the word 'strengthen' means : to become stronger; to make somebody/something stronger.

Look at its use in the sentence-

Her position in the party has strengthened in recent years.

Repairs are necessary to strengthen the bridge.

Hence the words allay and strengthen are antonyms.

56. (3) No correction required

57. (4) behind all natural

58. (2) are being infected

59. (2) reserves would finish

60. (3) is highly uneven

61. (5) A

62. (5) F

63. (3) C

64. (4) E

65. (4) D

66. (3) The group of words 'then a sword' should be replaced by 'than a sword'. In comparative degree we use 'than', not 'then'.

67. (1) Use 'Martha is missing or 'Martha misses' . . . . .

68. (3) The sense of the sentence shows inability. Hence, it will be proper to use 'he could not' instead of 'he would not'.

69. (2) It is proper to use preposition 'for' as it shows period of time.

70. (3) Replace 'are disable to' by 'are unable to'.

Look at the sentence:

I tried to meet him but was unable to.

71. (4) appeared

72. (1) headed

73. (5) nearby

74. (4) brought

75. (3) untraceable

76. (5) shelter

77. (3) height

78. (2) greater

79. (2) repeatedly

80. (2) insight

$$81. (1) ? = 2.8 \times 1.5 + \frac{8 \times 250}{100} \\ = 4.2 + 20 = 24.2$$

$$82. (5) \frac{23}{7} - \frac{29}{14} - \frac{8}{7} = -7 + \frac{29}{14} \\ \Rightarrow ? = \frac{23}{7} - \frac{29}{7} - \frac{8}{7} \\ = \frac{23 - 29 - 8}{7} = -\frac{14}{7} = -2$$

$$83. (2) ? = \frac{3}{8} + \frac{4}{5} \times \frac{2}{3} \times 730 = 145$$

$$84. (4) 8^7 = \frac{8^7 \times 2^0}{8^{24}} = \frac{8^7 \times 1^0}{8^{24}} \\ \Rightarrow 8^7 = 8^{7+2-24} = 8^{-15} \\ ? = 6.5$$

$$85. (3) \frac{100 \times 750}{136} + ? = \frac{120 \times 800}{100}$$

$$\Rightarrow 400 + ? = 480$$

$$\therefore ? = 480 - 400 = 80$$

$$86. (3) ? = 3.8 \times 5.6 \times 11.5 = 31.653 \\ = 244.72 - 31.653 \\ = 213.067$$

$$87. (5) ? = 1216 \times \frac{5}{6} \times \frac{4}{7} \times \frac{4}{5} \\ = 464$$

$$88. (4) ? = \frac{456 \times 93}{100} = 424.08$$

$$89. (1) ? = \frac{46576}{52} = 958$$

$$90. (3) ? = \frac{1485}{44 \times 0.75} = 45$$

$$91. (5) ? = \frac{128}{8 \times 0.4} = 40$$

$$92. (5) ? = 9358 - 5086 - 2384 \\ = 9358 - 7470 \\ = 1888$$

$$93. (3) ? = 8 \times \frac{5}{6} + 10 \times \frac{11}{36} \\ = \frac{53}{6} + \frac{371}{36} \\ = \frac{53 \times 6 + 371}{36} = \frac{6}{36} = \frac{1}{6}$$

$$94. (1) (?) = 25 \times 4 - 800 \\ = (25 \times 25 \times 25 \times 4 \times 4 \times 4 - 8 \times 8 \\ \times 100 \times 100) \\ = 4 \times 100 \times 100 (25 - 16) \\ = 360000$$

$$95. (1) ? = 23.35 + 33.25 + 325.52 \\ = 382.12 \\ = Rs. (980 - 120) = Rs. 860$$

$$96. (5) The pattern is : \\ 2 \times 3 + 2 = 6 + 2 = 8 \\ 8 \times 3 + 2 = 24 + 2 = 26 \\ 26 \times 3 + 2 = 78 + 2 = 80 \\ 80 \times 3 + 2 = 240 + 2 = 242$$

$$97. (1) The pattern is : \\ 3 \times 1 + 1 = 3 + 1 = 4 \\ 4 \times 2 + 2 = 8 + 4 = 12 \\ 12 \times 3 + 3^2 = 36 + 9 = 45$$

$$45 \times 4 + 4^2 = 180 + 16 = 196$$

$$98. (4) The pattern is : \\ 9 \times 2 - 1 = 18 - 1 = 17 \\ 17 \times 2 - 1 = 34 - 1 = 33$$

$$33 \times 2 - 1 = 66 - 1 = 65$$

$$65 \times 2 - 1 = 130 - 1 = 129$$

99. (2) The pattern is :

$$7 \times 2 - 1 = 14 - 1 = 13$$

$$13 \times 2 - 1 = 26 - 1 = 25$$

$$25 \times 2 - 1 = 50 - 1 = 49$$

$$49 \times 2 - 1 = 98 - 1 = 97$$

100. (3) The pattern is :

$$5 \times 0.5 + 0.5 = 2.5 + 0.5 = 3$$

$$3 \times 1.5 + 1.5 = 4.5 + 1.5 = 6$$

$$6 \times 2.5 + 2.5 = 15 + 2.5 = 17.5$$

$$17.5 \times 3.5 + 3.5 = 61.25 + 3.5 = 64.75$$

101. (4) Let the present ages of Amit and his father be  $2x$  years and  $5x$  years respectively.

$$\frac{2x + 4}{5x + 4} = \frac{5}{11}$$

$$\Rightarrow 25x + 20 = 22x + 44$$

$$\Rightarrow 3x = 24 \Rightarrow x = \frac{24}{3} = 8$$

$\therefore$  Father's age 5 years ago =  $5x - 5 = 5 \times 8 - 5 = 35$  years

102. (4) Let the numbers be  $x$  and  $y$  respectively.

$$\therefore 2x^2 = 6y \Rightarrow x^2 = 3y$$

No ratio can be obtained between  $x$  and  $y$ .

103. (1) Let the cost price be Rs.  $x$ .

$$\therefore 90\% \text{ of } 15000 = 108\% \text{ of } x$$

$$\Rightarrow x = \frac{90 \times 15000}{108}$$

$$\therefore x = \text{Rs. } 12500$$

104. (5) Let the cost price of 1 pen be Rs.  $x$  and that of 1 pencil be Rs.  $y$ .

$$\therefore 8x + 4y = 176 \dots (i)$$

$$\text{and } 2x + 2y = 48$$

$$\Rightarrow x + y = 24 \Rightarrow y = 24 - x$$

Putting this value in equation (i),

$$8x + 4(24 - x) = 176$$

$$\Rightarrow 8x - 4x = 176 - 96 \Rightarrow 4x = 80$$

$$\Rightarrow x = \frac{80}{4} = 20$$

$$\therefore \text{CP of 1 pen} = \text{Rs. } 20$$

105. (2)

$$(B+C)'s \text{ 1 day's work} = \frac{1}{8} \dots (i)$$

$$(A+B)'s \text{ 1 day's work}$$

$$= \frac{1}{12} \dots (ii)$$

$$(A+C)'s \text{ 1 day's work}$$

$$= \frac{1}{16} \dots (iii)$$

On adding all these three equations,

$2(A+B+C)'s \text{ 1 day's work}$

$$= \frac{1}{8} + \frac{1}{12} + \frac{1}{16} = \frac{6+4+3}{48} = \frac{13}{48}$$

$\therefore (A+B+C)'s \text{ 1 day's work}$

$$= \frac{13}{96}$$

$\therefore A, B$  and  $C$  together can complete the work in  $\frac{96}{13} = 7\frac{5}{13}$  days

106. (3) Interest is compounded half yearly.

$$\therefore R = 20\% \text{ p.a.} = 10\% \text{ half year}$$

$$T = 2 \text{ years} = 4 \text{ half years}$$

$$\therefore \text{C.I.} = P \left[ \left( 1 + \frac{R}{100} \right)^T - 1 \right]$$

$$= 10000 \left[ \left( 1 + \frac{10}{100} \right)^4 - 1 \right]$$

$$= 10000 \left[ \left( \frac{11}{10} \right)^4 - 1 \right]$$

$$= 10000 \left[ \left( \frac{121}{100} + 1 \right) \left( \frac{121}{100} - 1 \right) \right]$$

$$= 10000 \times \frac{221}{100} \times \frac{21}{100}$$

$$= \text{Rs. } 4641$$

107. (4) Let B's income = Rs.  $x$

$$\therefore A's \text{ income} = \frac{150}{100} \times x = \text{Rs. } \frac{3x}{2}$$

$$C's \text{ income} = \frac{120}{100} \times \frac{3x}{2} = \text{Rs. } \frac{9x}{5}$$

$$\therefore x + \frac{3x}{2} + \frac{9x}{5} = 86000$$

$$\Rightarrow 10x + 15x + 18x = 860000$$

$$\Rightarrow 43x = 860000$$

$$\Rightarrow x = \frac{860000}{43} = 20000$$

$$\therefore C's \text{ income} = \text{Rs. } \left( \frac{9}{5} \times 20000 \right) = \text{Rs. } 36000$$

108. (4) According to the question,

$$x + x + 2 + x + 4 + x + 6 + x + 8 = 5 \times 106$$

$$\Rightarrow 5x + 20 = 530$$

$$\Rightarrow 5x = 530 - 20 = 510$$

$$\Rightarrow x = \frac{510}{5} = 102$$

$$\therefore B = x + 2 = 102 + 2 = 104$$

$$D = x + 6 = 102 + 6 = 108$$

$$\therefore B \times D = 104 \times 108 = 11232$$

109. (5) Let the CP of the cell phone be Rs.  $x$ .

According to the question,

$$x \times \frac{123}{100} = 7011$$

$$\Rightarrow x = \frac{7011 \times 100}{123} = 5700$$

110. (2) Decimal equivalents of the fractions:

$$\frac{1}{5} = 0.2; \quad \frac{2}{7} = 0.29;$$

$$\frac{3}{5} = 0.6; \quad \frac{5}{6} = 0.83;$$

$$\frac{11}{13} = 0.85$$

Clearly,

$$0.85 > 0.83 > 0.6 > 0.29 > 0.2$$

$$\text{or, } \frac{11}{13} > \frac{5}{6} > \frac{3}{5} > \frac{2}{7} > \frac{1}{5}$$

$$\therefore \text{Fourth fraction} = \frac{2}{7}$$

$$111. (4) \text{SI} = \frac{\text{PRT}}{100} = \frac{35800 \times 4 \times 15}{100}$$

$$= \text{Rs. } 21480$$

$$\therefore \text{Amount} = \text{Principal} + \text{SI}$$

$$= \text{Rs. } (35800 + 21480)$$

$$= \text{Rs. } 57280$$

112. (1) Number of transferred employees

$$= 30\% \text{ of } 2010$$

$$= \frac{2010 \times 30}{100} = 603$$

$$113. (3) \text{SI} = \frac{\text{PRT}}{100}$$

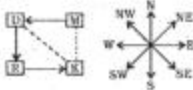
$$= \frac{8930 \times 5 \times 6}{100} = \text{Rs. } 3372$$

$$114. (5) 87 \times 87 = 7569$$

$$88 \times 88 = 7744$$

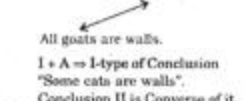
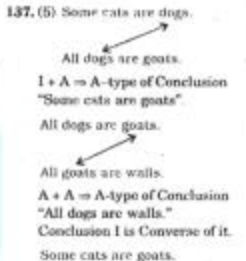
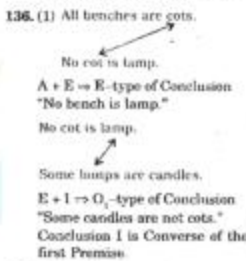
- Clearly,  $7569 < 7500 < 7744$   
 $\therefore$  Required number  
 $= 7744 - 7700$   
 $= 44$
115. (2) Required average  
 $= \frac{125 + 133 + 298 + 315 + 446 + 307}{6}$   
 $= \frac{x \times 5}{100} = 49$
116. (3) Average percentage  
 $= \frac{82 + 74 + 92 + 84 + 66 + 64}{6}$   
 $= \frac{462}{6} = 77\%$   
 $\therefore$  Required average  $= \frac{50 \times 77}{100}$   
 $= 38.5$
117. (5) Marks obtained by E in all the subjects  
 $= 56 + 33 + 82$   
 $+ \frac{75 \times 87}{100} + 63 + \frac{78 \times 120}{100}$   
 $= 151 + 65.25 + 62 + 93.60$   
 $= 371.85$   
 $\therefore$  Required percentage  
 $= \frac{62}{371.85} \times 100 = 17$
118. (2) Overall percentage in English  
 $= \frac{66 + 84 + 72 + 60 + 78 + 54}{6}$   
 $= \frac{414}{6} = 69$
119. (4) Marks obtained by D in :  
 History  $\rightarrow 38$   
 Maths  $\rightarrow 83$   
 Science  $\rightarrow \frac{75 \times 81}{100} = 60.75$   
 English  $\rightarrow \frac{120 \times 60}{100} = 72$   
 $\therefore$  Total marks  
 $= 38 + 83 + 60.75 + 72$   
 $= 253.75$
120. (1) Total marks obtained by B in all subjects together  
 $= 40 + 37 + 73 +$   
 $\frac{66 \times 75}{100} + 76 + \frac{84 \times 120}{100}$   
 $= 150 + 49.50 + 76 + 100.80 = 376.3$

121. (4) Mustard is an oilseed (seed). Similarly, carrot is a modified root.
122. (2) Meaningful Word  $\rightarrow$  REST
123. (4) Except Plate, all others are used for storing water (liquid).
124. (2) Except Mercury, all others are solid at normal room temperature. Mercury is liquid at normal room temperature.
125. (1)  $F \xrightarrow{+6} L$   
 $I \xrightarrow{+6} O$   
 Similarly,  
 $P \xrightarrow{+6} V$   
 $S \xrightarrow{+6} Y$
126. (1) Except the number 217, all others are Prime Numbers.
127. (1) M is mother of K and T.  
 W is brother of M.  
 Therefore, W is maternal uncle of T.
128. (3) Gram is the unit of mass. Similarly, Centimetre is the unit of length.
129. (5)  $1 + 2 \Rightarrow$  Odd Number  
 $2 + 8 = 1 + 0 =$  Odd Number  
 $5 + 2 = 7 \Rightarrow$  Odd Number  
 $6 + 8 = 14 \Rightarrow 1 + 4 = 5$   
 $\Rightarrow$  Odd number  
 $9 + 6 = 15 \Rightarrow 1 + 5 = 6$   
 $\Rightarrow$  Even Number
130. (3) The colour of sky is blue. But here blue has been called yellow.
131. (3) 19 20 1 16 12 5 18  
 S T A P L E R
132. (1) M O D E L D E A R  
 1 1 1 1 1 1 1 1  
 5 1 3 # 2 3 # # 8  
 Therefore,  
 L O A D  
 1 1 1 1  
 2 1 # 3
133. (4)



134. (3)  $5 \begin{bmatrix} 2 \\ 1 \end{bmatrix} 6 \begin{bmatrix} 1 \\ 2 \end{bmatrix} 8 \begin{bmatrix} 3 \\ 6 \end{bmatrix} 3$
135. (3) H G F E D C B A  
 H G F E D C B  
 H G F E D C  
 H G

- (136-140) :
- (i) All benches are cats  $\rightarrow$  Universal Affirmative (A-type).  
 (ii) Some lamps are candles  $\rightarrow$  Particular Affirmative (I-type).  
 (iii) No cat is lamp  $\rightarrow$  Universal Negative (E-type).  
 (iv) Some cats are not lamps  $\rightarrow$  Particular Negative (O-type).



138. (3) All the three Premises are Particular Affirmative (I-type).



No Conclusion follows from the two Particular Premises.  
Conclusions I and II form Complementary Pair.  
Therefore, either Conclusion I or II follows.

139. (4) Some hats are desks.

All desks are chairs.  
I + A  $\Rightarrow$  I-type of Conclusion  
"Some hats are chairs."

140. (2) Some roads are ponds.

All ponds are stores.  
I + A  $\Rightarrow$  I-type of Conclusion  
"Some roads are stores."  
Conclusion II is Converse of it.

(141 - 145):

Student	Class	Favourite Colour
P	II	Green
Q	III	Black
R	IV	Red
S	I	Pink
T	VI	Yellow
M	V	Blue

141. (3) R does study in Class IV.  
142. (5) R likes Red colour.  
143. (1) P likes Green colour.  
144. (5) None  
145. (4) M does study in Class V.  
(146-150):

$\odot \Rightarrow \leq$	$\% \Rightarrow >$	$\bullet \Rightarrow >$
$\oplus \Rightarrow <$	$\$ \Rightarrow >$	$\otimes \Rightarrow >$

146. (2)  $K \oplus V \Rightarrow K < V$   
 $V \odot N \Rightarrow V \leq N$   
 $N \% F \Rightarrow N \geq F$

Therefore,  
 $K < V \leq N \geq F$

**Conclusions**  
I.  $F \oplus V \Rightarrow F < V$ : Not True  
II.  $K \odot N \Rightarrow K < N$ : True

147. (5)  $H \odot W \Rightarrow H \leq W$   
 $W \$ M \Rightarrow W = M$   
 $M \oplus B \Rightarrow M < B$

Therefore,  
 $H \leq W = M < B$

**Conclusions**  
I.  $B \% H \Rightarrow B > H$ : True  
II.  $M \% H \Rightarrow M \geq H$ : True

148. (4)  $D \% B \Rightarrow D \geq B$   
 $R \% Y \Rightarrow R > Y$   
 $T \$ M \Rightarrow T < M$

Therefore,  
 $D \geq B > T = M$

**Conclusions**  
I.  $T \odot D \Rightarrow T \leq D$ : Not True  
II.  $M \odot D \Rightarrow M \leq D$ : Not True

149. (1)  $M \% T \Rightarrow M > T$   
 $T \oplus K \Rightarrow T < K$   
 $K \odot N \Rightarrow K \leq N$

Therefore,  
 $M > T < K \leq N$

**Conclusions**  
I.  $N \% T \Rightarrow N > T$ : True  
II.  $N \% M \Rightarrow N > M$ : Not True

150. (3)  $R \$ J \Rightarrow R = J$   
 $J \% D \Rightarrow J \geq D$   
 $D \% F \Rightarrow D > F$

Therefore,  
 $R = J \geq D > F$

**Conclusions**  
I.  $D \$ R \Rightarrow D = R$ : Not True  
II.  $D \oplus R \Rightarrow D < R$ : Not True  
Either I or II is true.

151. (1) T U K D I P  
 $\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$   
1 4 6 2 7

152. (3) E F D M K A  
 $\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$   
\* 6 5 4 \*

Condition (ii) is applicable.

153. (5) A P W T U H  
 $\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$   
3 7 1 4 3

Condition (iii) is applicable.

154. (3) M A R T W E  
 $\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$   
\$ 8 # 1 @ 5

Condition (i) is applicable.

155. (1) H E M K Z I  
 $\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$   
2 8 5 4 9 3

Condition (i) is applicable.

156. (1) In each subsequent figure all the designs rotate through 90° anticlockwise, the larger designs become smaller and vice-versa, the last design becomes the first design and two adjacent designs interchange positions.

157. (5) In each subsequent figure all the designs move one and half steps in anticlockwise direction.

In the first step the second and the fifth designs are replaced with new designs, in the second step the first and the fourth designs are replaced with new designs and in the third step the middle design is replaced with new design. These three steps are continued in the same order in the subsequent figures.

158. (3) In each subsequent figure the pre-existing design rotates through 90° clockwise and respectively one, one, one, four, four design(s) is/are added in a set order in the subsequent figures.

159. (3) In each subsequent figure one design is added in anticlockwise direction. Alternate designs rotate respectively 90° anticlockwise and clockwise.

160. (2) From Problem Figure (1) to (2) the designs move one and half steps in clockwise direction, the last design moves to the first position and a new design is introduced at the last position. From Problem Figure (2) to (3) also the designs move one and half steps in clockwise direction, the last two designs move ahead of the other designs and a new design is introduced at the last position. From Problem Figure (3) to (4) three designs move ahead of the other designs. From Problem Figure (4) to (5) four designs move ahead of the other designs and hence from Problem Figure (5) to Answer Figure five designs, would move ahead of the other designs and a new design would be introduced at the last position.

## MODEL QUESTION PAPER

### GENERAL AWARENESS

1. Discus world champion Dani Samuels, who pulled out of the 2010 Delhi Commonwealth Games in October 2010 has challenged Indian discus thrower Krishna Poonia, who led a historic Indian 1-2-3 sweep of the event at the 2010 Commonwealth Games. Dani Samuels belongs to  
(1) England (2) Canada  
(3) Australia (4) South Africa  
(5) None of these
2. The Planning Commission on October 19, 2010 set up a 15-member group on universal health coverage to achieve health for all by 2020, under the chairmanship of  
(1) K.Srinath Reddy  
(2) AK Shiva Kumar  
(3) Leela Chaleh Varkey  
(4) Mirai Chatterjee  
(5) None of these
3. Who among the following won the first Hans Christian Andersen Literature Prize on October 19, 2010 in Odense, Denmark?  
(1) Peter Carey  
(2) Howard Jacobson  
(3) Andrea Levy  
(4) JK Rowling  
(5) None of these
4. The 21st general meeting of the Academy of Sciences for the Developing World was held in October 2010 in  
(1) Chennai (2) Hyderabad  
(3) Karachi (4) Kolkata  
(5) None of these
5. The Indian Air Force conducted a joint exercise named 'Tandrahanshi' from October 18 to November 3, 2010 at the Kalakunda Air Force station in West Bengal with Air Force of which of the following countries?  
(1) United States  
(2) Japan

- (3) China  
(4) United Kingdom  
(5) None of these
6. The Government of which European country on October 20, 2010 announced a whopping eight per cent cut in defence expenditure and overall £80 billion-plus cut in government expenditure?  
(1) Germany (2) France  
(3) Italy  
(4) United Kingdom  
(5) None of these
7. The Cabinet Committee on Economic Affairs on October 20, 2010 approved the Indira Gandhi Matritva Sahyog Yojana on a pilot basis in 52 districts. Which of the following statements regarding the scheme is not correct?  
(1) A sum of Rs. 4,000 will be paid to pregnant and lactating women over a period of six months.  
(2) The government will pump in Rs. 390 crore for 2010-2011 to ensure pregnancies are registered and women adhere to health norms  
(3) The scheme development will be monitored by a committee that will include elected representatives and members of the gram panchayat  
(4) Expected number of women to benefit from the scheme is 16.5 lakh.  
(5) The scheme will cover 492 projects in doubt 87,000 anganwadis and will address issues of low birth weight, high infant mortality, anaemia and maternal mortality.
8. The Comptroller and Auditor General, in a preliminary report issued in October 2010, has accused the Commonwealth Games 2010 Organising Committee headed by Suresh Kalmadi of several irregularities in

the preparations for the Games, resulting in loss of revenue to the Government. Which of the following statements is/are correct about this report?

- (A) The OC selected a consultant for national and international broadcasting sales without proper evaluation of bids  
(B) It thereby caused the organiser a loss of Rs. 24.00 crore as a result since the consultant could not fulfill the expectations raised while signing the agreement  
(C) The OC selected another consultant to handle sponsorship fees without covering guidelines, thus allowing it an additional benefit of Rs. 25.31 crore  
(1) Only A and C  
(2) Only B and C  
(3) Only A and B  
(4) Only B  
(5) All A, B and C
9. The State Bank of India on October 20, 2010 increased its benchmark base rate or the minimum lending rate by 10 basis points to 7.4 per cent. The bank has also revised its Benchmark Prime Lending Rate (BPLR) by 25 basis points to  
(1) 12.5 per cent  
(2) 13.0 per cent  
(3) 11.75 per cent  
(4) 12.75 per cent  
(5) None of these
10. With which of the following countries India on October 19, 2010 signed a new social security agreement that would benefit a large number of Indians?  
(1) United States  
(2) United Kingdom  
(3) South Africa  
(4) South Korea  
(5) None of these

11. The Government of India decided to scrap the import duty on cotton and also withdraw incentives on the export of the same. How will this action of the government affect the cotton market in India ?  
 (A) More and more traders will be able to import cotton as there is no import duty on it.  
 (B) The price of the cotton in domestic market will come down.  
 (C) More and more farmers will now start growing cotton.  
 (1) Only A (2) Only B  
 (3) Only C (4) All A, B & C  
 (5) None of these
12. As per the reports in the financial newspapers CCEA cleared many FDI proposals recently. What is the full form of CCEA ?  
 (1) Cabinet Committee on Economic Affairs  
 (2) Congress Committee on Economic Affairs  
 (3) Cabinet Committee on Emergency Accounts  
 (4) Clearance Committee on Export Accounts  
 (5) None of these
13. The Vishnugad Pipalkoti Hydel power project is being developed on which of the following rivers ?  
 (1) Ganga (2) Alaknanda  
 (3) Yamuna (4) Saharswati  
 (5) None of these
14. The facility which allows mobile subscribers to switch from one service provider to another without any changing their mobile number is known as Mobile Number \_\_\_\_\_.  
 (1) Portability  
 (2) Portability  
 (3) Pre-portedability  
 (4) Permobility  
 (5) None of these
15. Which of the following economies is NOT in the top 10 economies of the world ?  
 (1) USA (2) Japan  
 (3) Germany (4) China  
 (5) South Africa
16. Which of the following banks has opened the country's first 'Cash Factory' in Lucknow which will issue currency notes to all its branches and ATM in that area ?  
 (1) Bank of India  
 (2) Bank of Baroda  
 (3) State Bank of India  
 (4) Union Bank of India  
 (5) None of these
17. Many times we read in newspapers that the RBI has revised certain rates/ratios under LAF. What is the full form of LAF ?  
 (1) Legal Adjustment Facility  
 (2) Liquidity Adjustment Facility  
 (3) Longterm Achievement Facility  
 (4) Legal Adjustment Formality  
 (5) None of these
18. According to the Wakf Board, the Muslims offered prayers at the Babri Mosque in Ayodhya from 1528 upto 1949 when Idols of Rama Lalla were placed surreptitiously in the mosque. Who was the first to file a suit on January 16, 1950 for allowing to offer prayers there ?  
 (1) Gopal Singh Visharad  
 (2) Mahant Paramhans Ramachandra  
 (3) Mahant Rajhanath Das  
 (4) Mahant Dharmadas
19. The XIXth Commonwealth Games were organised in New Delhi from October 3 to 14, 2010. Who among the following won the first gold medal of this Game on October 4, 2010 ?  
 (1) Augustina Nkem Nwankwilo of Nigeria  
 (2) Ng. Soniya Chanu of India  
 (3) Amirul Hamizan Ibrahim of Malaysia  
 (4) Marilou Prevost Dozina of Canada  
 (5) None of these
20. A special full Bench of Justice SU Khur, Sudhir Agarwal and DV Sharma of the Lucknow Bench of the Allahabad High court pronounced its verdict on the Ayodhya title suits on September 30, 2010. On which of the following dates the final hearing of the case did begin on the title suits ?  
 (1) July 26, 1998  
 (2) July 23, 1996  
 (3) September 12, 2000  
 (4) August 31, 2003  
 (5) None of these
21. Who among the following, won the first medal for India at the XLXth Commonwealth Game's in New Delhi on October 4, 2010 ?  
 (1) A Sandhya Rani Devi  
 (2) Abhinav Bindra  
 (3) Sonia Chanu  
 (4) Both (1) and (3)  
 (5) None of these
22. What was the name of the District Magistrate of Faizabad who reported to the Chief Minister of Uttar Pradesh in December 1949 that idols of Ram Lalla were placed at the disputed site in Ayodhya on December 22-23, 1949 ?  
 (1) DN Agarwal  
 (2) KKNayyar  
 (3) Priya Dutt Ram  
 (4) TEA Chammii  
 (5) None of these
23. British writer and journalist Howard Jacobson won the 2010 Man Booker Prize on October 12, 2010 for which of the following books ?  
 (1) In a Str ange Room  
 (2) The Long Song  
 (3) The Pleasure Seekers  
 (4) The Finkler Question  
 (5) None of these
24. Which of the following combinations of Shanti Swarup Bhatnagar Award Category and Winner is not correct? (The awards were presented on October 20, 2010).  
 (1) Biological Sciences - Sanjeev Galande  
 (2) Planetary Sciences - Swapan K Pati  
 (3) Engineering Sciences - Sanghamitra Bandyopadhyay  
 (4) Physical Science - Kalahan Maiti  
 (5) None of these
25. Three Economists- Peter Diamond and Dale Mortenson of the United States and British - Cypriot Christopher Pissarides

- were selected for the 2010 Nobel Prizes for Economic Sciences on October 11, 2010 for work on why supply and demand do not always meet in the labour market and elsewhere. Earlier this prize was known as (1) Bank of Sweden Prize in Economic Sciences (2) Bank of Oslo Prize in Economics (3) Royal Swedish Academy Prize in Economic Sciences (4) Economic Prizes of Federal Bank of Sweden (5) None of these
26. Sachin Tendulkar was adjudged the ICC Cricketer of the Year at the LG ICC Awards on October 6, 2010 in Bangalore and thus he became the second Indian to win this coveted award after (1) Sourav Ganguly in 2004 (2) Rahul Dravid in 2004 (3) Virender Sehwag in 2009 (4) Gautam Gambhir in 2009 (5) None of these
27. The Centre has released to States Rs. 3038.96 crore till September 2010, under the Rashtriya Krishi Vikas Yojana (RKVY) during 2010-11 against a total allocation of Rs. 6790.04 crore. In which year RKVY was launched to achieve four per cent annual growth in the agriculture sector through the holistic development of agriculture and allied sectors? (1) August 2008 (2) September 2009 (3) August 2007 (4) September 2007 (5) September 2008
28. British scientist Robert Edwards, whose pioneering research led the birth of the world's first 'test-tube baby' on July 25, 1978 won the 2010 Nobel Prize for Medicine on October 5, 2010. What is the name of the scientist who was closely associated with Edwards in this pioneering work? (1) Ki-ichi Negishi (2) Richard P. Heck (3) Patrick Steptoe (4) Andrei Geim (5) None of these
29. Which of the following statements regarding the verdict of the Lucknow Bench of the Allahabad High court on the Ayodhya title suits, delivered on September 30, 2010 is not correct? (1) The Bench ruled by a majority verdict that the disputed 120 feet by 90 feet area should be divided into three equal parts among three petitioners. (2) The three petitioners are the Sunni Central Wakf Board, the Nirmohi Akhara and the party representing the deity, Ram Lalla. (3) Justice SU Khan rejected the claims of Muslims on the ground that Babri Masjid has been built against the tenets of Islam and therefore could not be treated as mosque. (4) The Nirmohi Akhara was allotted parts of the outer courtyard covered earlier by Ram Chahutra, Sita Rassi and Bhandari. (5) None of these
30. Which of the following opinions by the three Judges regarding Ayodhya title suits' verdict delivered on September 30, 2010 is not correct? (1) According to Justice DV Sharma, Lord Ram was born at the disputed site. (2) According to Justice SU Khan, the claims of the Sunni Wakf Board and the Nirmohi Akhara are time barred. (3) According to Justice Sudhir Agarwal, the Babri Masjid was constructed after demolishing a non-Islamic religious structure, that is, a Hindu temple. (4) All the three Judges said that idols of Ram Lalla were placed under the middle dome on December 22-23, 1949. (5) None of these
31. The first gold medal for India at the XIXth Commonwealth Games was won by shooters in the 10 m air rifle pairs event on October 5, 2010. The gold medal winner shooters are (1) Abhinav Bindra and Omkar Singh (2) Abhinav Bindra and Deepak Sharma (3) Abhinav Bindra and Gagan Narang (4) Gagan Narang and Rajgan Sodhi (5) None of these
32. Who among the following won the first gold medal of athletics at the XIXth Commonwealth Games on October 6, 2010 in New Delhi? (1) Eliud Kipchoge of Kenya (2) Abdul Najeesh Qureshi of India (3) Mark Kiptoo of Kenya (4) Moses Kipsiro of Uganda (5) None of these
33. Who among the following created history by clinching the first ever medal for India in a para-lympic event of the XIXth Commonwealth Games on October 6, 2010? (1) Pransana Karmakar (2) Katalu Ravi Kumar (3) Rupesh Kumar (4) Sachin Verma (5) None of these
34. Who among the following became the first athlete to win the 200 m breaststroke title of the Commonwealth Games for a third time in a row on October 6, 2010 at the Shyama Prasad Mukherjee aquatics stadium? (1) Gemma Spofforth, England (2) Letael Jones, Australia (3) Julia Wilkinson, Canada (4) Alicia Coutte, Australia (5) None of these
35. Who among the following was the guest of honour at the closing ceremony of the Commonwealth Games in New Delhi on October 14, 2010? (1) Julia Gillard, Prime Minister of Australia (2) Prince Charles of Wales (3) Mahinda Rajapaksa, Sri Lankan President

- (4) Stephen Harper, Prime Minister of Canada  
 (5) None of these  
 (6) None of these

36. Nigerian athlete Folashade Abugan has tested positive for a prohibited substance in the just concluded Delhi Commonwealth Games 2010 in October 2010. She won the women's 400 m silver and was also part of the Nigerian 4 x 400 m relay team that took the silver behind India. Now, the bronze medal of the women's 400 m race would be awarded to

- (1) Aliann Takisha Pompey of Guyana  
 (2) Christine Amertil of the Bahamas  
 (3) Nancy Jebet Langat of Kenya  
 (4) Nikki Hamblin of New Zealand  
 (5) None of these

37. Australia won 24 gold medals out of 50 medals in Aquatics in the Delhi Commonwealth Games organised from October 3 to 14, 2010. How many gold medals were won by Indian swimmers in this Games?

- (1) None (2) Two  
 (3) Four (4) Six  
 (5) None of these

38. Indians won 10 gold medals out of 21 medals in the wrestling event in the Commonwealth Games which concluded on October 14, 2010 in New Delhi. How many gold medals were won by England wrestler in this Games?

- (1) Four (2) One  
 (3) Three (4) Five  
 (5) None of these

39. Which one of the following books is not related with the Commonwealth Games 2010?

- (1) Road to Commonwealth Games 2010 by Sunil Yash Kalra  
 (2) The Commonwealth Games : Quiz Book by Vijaya Khanduris  
 (3) Sollostep Legacy by Borin Mazumdar and Nalin Mehta  
 (4) Tomorrow's Young Achievers by Poojendra Mehta  
 (5) None of these

40. Who among the following filed a petition on January 29, 1885 in court of Hari Kishan, sub judge, Faizabad requesting that he be allowed to build a temple over Chabutra Jammaasthan in Ayodhya?

- (1) Gopal Singh Visharad  
 (2) Mahant Ramchandra  
 (3) Mahant Raghunath  
 (4) Mahant Raghubar Das  
 (5) None of these

### ENGLISH LANGUAGE

**Directions (41-55) :** Read the following passage carefully and answer the questions given below it. Certain words are given in bold to help you to locate them while answering some of the questions.

Though the last twenty-five years have seen China dazzle the world with its excellent economic performance it has shied away from playing the kind of active role in international affairs that would seem commensurate with its economic weight. This is because traditionally China's politics have been defined by the need for economic development above all else. In the past China's authorities have tended to downplay the country's international clout, choosing to stress instead its developing country status and limited military capabilities. Such modest rhetoric was intended to **allay** the fears that China's rise was causing across its immediate neighbourhood. That Beijing is finally acknowledging its status as a major player in the international system is evidenced by the fact that the President has formally developed a theory of international relations; the concept of **encompassing** broad notions of multilateralism, prosperity for all through common development and tolerance for diversity has left world opinion perplexed. These are **commendable** objectives but the theory is short on specifics regarding the means to achieve them.

China's recent willingness to be a more active player internationally stems from complex factors. The country's economic strength having acquired the largest foreign exchange reserves in the world - is undeniable

and reports favour it to be the largest economy in the next quarter of a century. For **sustained** double digit economic growth China thus has no choice but to become more active internationally. Moreover as a major proprietor of the oil and other natural resources that China needs to feed its growing economy are imported. Beijing has to aggressively woo the countries rich in energy resources, which also represent emerging markets for Chinese products. To ensure a stable security environment within the region and thus facilitate economic growth China played an active role in facilitating negotiations with North Korea. Destabilization of a **potential** flashpoint like the Korean peninsula would lead to a flood of refugees crossing the border, interrupting careful plans of economic rejuvenation of China's North-East. China's growing influence has caused a shift in the geopolitical status quo and its influence is beginning to replace that of the United States and European powers in Africa. China's new diplomacy though has had its share of critics who have expressed their unease at China's military modernization programmes and its willingness to deal with regimes widely condemned as corrupt and oppressive. Despite this when the Africa was in need of aid and infrastructure or the US needed help in negotiating with Korea they turned to China. By taking a lead in a variety of international and regional forums, initiating bilateral and military exchanges and dispensing aid and technical assistance in parts of the world where traditional powers are cautious to tread China has signalled that its days of sitting on the sidelines, content to let others shape world affairs are emphatically over.

41. Why has China traditionally been a passive spectator in global affairs?

- (1) To safeguard its oil resources  
 (2) To maintain security in its vicinity  
 (3) To conceal its economic predicament  
 (4) To focus on domestic economic growth  
 (5) Economic dominance of the US

42. Which of the following best describes China's current international status ?
- (1) Cause of insecurity among developing nations
  - (2) Largest economy in the world
  - (3) Largest donor of aid to developing countries
  - (4) Pioneer of implementing a "harmonious world" philosophy
  - (5) None of these
43. What has been the fallout of China's increased participation in world affairs ?
- (1) International scrutiny of its economic policies
  - (2) Growth of corruption among its politicians
  - (3) Its influence and prestige have grown substantially
  - (4) Its growth rate has stabilized
  - (5) None of these
44. On which of the following factors is China's economic growth dependent ?
- (A) Increased supply of oil and other natural resources to developed countries.
  - (B) Success of harmonious world policy.
  - (C) Political stability in Africa.
- (1) Only (C) (2) Only (A)  
(3) Both (A) and (B)  
(4) All (A), (B) and (C)  
(5) None of these
45. Which of the following is **TRUE** in the context of the passage ?
- (1) China's current political standing internationally is disproportionate to its financial strength
  - (2) China is a reluctant participant in military dialogues
  - (3) The harmonious world theory is the only utilitarian remedy to the current challenges facing the world.
  - (4) The US has recognized and acknowledged China's growing international reputation
  - (5) China has stopped dealing with corrupt countries because of international pressures
46. The main purpose behind Beijing's intervention in North Korea is to
- (1) ensure that the US acknowledges China's growing military influence
  - (2) prevent any hindrance to its domestic economic development programmes
  - (3) protect its financial investment in neighbouring countries
  - (4) provide humanitarian assistance to one of its strongest allies Korea
  - (5) None of these
47. Which of the following **CANNOT** be said about China's international relations theory ?
- (1) The theory is ambiguous in nature
  - (2) The theory reflects China's realization that it occupies a vital place in global affairs
  - (3) It promotes the concept of common development for all nations
  - (4) It is a theory which explains China's sustained growth rate
  - (5) It emphasises achieving prosperity through universal development
48. Which of the following is **NOT** a step taken by China to cement its role as a world leader ?
- (A) Providing aid to countries when other nations are unwilling to do so
  - (B) Curtailing its military modernization programme to reassure neighbouring countries
  - (C) Negotiating bilateral treaties only with countries with good human rights records
- (1) Only (A) (2) Both (A) and (B)  
(3) Both (B) and (C)  
(4) Only (B) (5) None of these
49. Which of the following is an outcome of Beijing's role in Africa ?
- (1) America's influence in the region has reduced
  - (2) Instability in the region
  - (3) The amount of aid from Europe and other countries has doubled
  - (4) The balance of power in Africa has shifted in favour of Europe over the US
  - (5) None of these
50. Which of the following is / are responsible for China's active international participation ?
- (A) Rapid economic growth as a result of selling its surplus foreign exchange reserves
  - (B) The need to explore and expand to new markets
  - (C) The need to modernize its armed forces
- (1) Only (A)  
(2) Both (A) and (B)  
(3) Only (B)  
(4) Both (B) and (C)  
(5) None of these
- Directions (186-188):** Choose the word which is **most similar** in meaning to the word printed in **bold** as used in the passage.
51. **Sustained**
- (1) sporadic (2) confirmed
  - (3) steady (4) supported
  - (5) encouraging
52. **Potential**
- (1) promise (2) talent
  - (3) opportunity (4) capable
  - (5) possible
53. **Encompassing**
- (1) surrounding (2) incorporating
  - (3) enveloping (4) accepting
  - (5) dealing
- Directions (54-55):** Choose the word which is **most opposite** in meaning to the word printed in **bold** as used in the passage.
54. **Commendable**
- (1) valuable (2) unreliable
  - (3) undeserved (4) unworthy
  - (5) deficient
55. **Allay**
- (1) strengthen (2) alleviate
  - (3) grow (4) expedite
  - (5) discourage
- Directions (56-60):** Which of the phrases (1), (2), (3) and (4) given below each sentence should replace the phrase given in **bold** in the following sentences to make the sentence grammatically correct? If the sentence is correct as it is and no correction is required, mark (5) as the answer.
56. Bolding is much more common in males than females.
- (1) in males than females
  - (2) in males than female

- (3) at males than females  
(4) in males against females  
(5) No correction required
57. Sun is the force **before all natural** phenomena.  
(1) behind all natural  
(2) responsible all natural  
(3) at all natural  
(4) pushing all natural  
(5) No correction required
58. Many healthy people **are been infected** by the virus.  
(1) are having infected  
(2) are being infected  
(3) are in infection  
(4) were bearing infected  
(5) No correction required
59. It is predicted that oil **reserves will finished** by 2034.  
(1) reserves are finished  
(2) reserves would finish  
(3) reserves have finish  
(4) reserves should finish  
(5) No correction required
60. The standard of English in the schools **are highly uneven**.  
(1) are being uneven  
(2) are often uneven  
(3) is highly uneven  
(4) is highly unevenly  
(5) No correction required

**Directions (61-65) :** 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) Lack of infrastructural support has been one reason.  
(B) Therefore number of people willing to learn the art has dropped.  
(C) Kalaripayattu is an ancient martial art of Kerala.  
(D) There have been several factors responsible for it.  
(E) It is now considered a dying form of art.  
(F) Also, the government has not taken any initiative to preserve it.

61. Which of the following is the **FOURTH** sentence after rearrangement?  
(1) F (2) E  
(3) D (4) B  
(5) A

62. Which of the following is the **FIFTH** sentence after rearrangement?  
(1) A (2) C  
(3) D (4) E  
(5) F

63. Which of the following is the **FIRST** sentence after rearrangement?  
(1) A (2) B  
(3) C (4) D  
(5) E

64. Which of the following is the **SECOND** sentence after rearrangement?  
(1) C (2) A  
(3) B (4) E  
(5) F

65. Which of the following is the **THIRD** sentence after rearrangement?  
(1) E (2) F  
(3) C (4) D  
(5) A

**Directions (66-70) :** Read each sentence to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (5) i.e. 'No error'. (Ignore the errors of punctuation, if any.)

66. The principle that (1) a pen is mightier (2) than a sword (3) was known to early Greeks (4). No error (5)

67. Martha missed her dog (1) who died of a (2) skin infection at a (3) very young age. (4) No error (5)

68. There was such (1) a crowd that (2) he would not (3) find his brother. (4) No error (5)

69. Having managed the (1) team of two (2) years, he knew (3) his players well. (4) No error (5)

70. Because of heavy (1) rains the trains (2) are disable to (3) run on time. (4) No error (5)

**Directions (71-80) :** In the following passage there are blanks each of which has been numbered. These numbers are printed below the passage and against each five words are suggested one of which fits the blank appropriately. Find out the appropriate word in each case.

An old couple was asking for water on the pavement outside an office. They (71) to be pitifully poor. When asked where they were (72) to, they told that they had come from a (73) village to get their cataract-afflicted eyes operated. But they were stranded. The stranger who had (74) them there with a promise of treatment was (75). Humanely, few staff members of the office arranged for their (76) for a night and next day (77) to a reputed hospital, whose eye surgeon had helped (78) poor patients. He examined his new patients and got them admitted. The surgeon (79) picked beggars from the streets and operated them for free. The old couple stayed in the hospital for a week and came out with a new (80). They were now happier and healthier.

71. (1) wanted (2) apparently  
(3) wished (4) appeared  
(5) liked

72. (1) headed (2) journey  
(3) sitting (4) footing  
(5) tourist

73. (1) nearing (2) residential  
(3) close (4) distantly  
(5) nearby

74. (1) took (2) asked  
(3) bring (4) brought  
(5) walked

75. (1) forgotten  
(2) untractable  
(3) untraceable  
(4) retracable  
(5) missed

76. (1) refuge (2) asylum  
(3) living (4) livelihood  
(5) shelter

77. (1) took (2) transferred  
(3) bought (4) lead  
(5) bring

78. (1) many (2) greater  
(3) quiet (4) much  
(5) lot

79. (1) timely  
(2) repeatedly  
(3) unwillingly  
(4) constantly  
(5) continuously

80. (1) happy (2) insight  
(3) site (4) sense  
(5) sight