ANDHRA BANK PO EXAM
(Held 05-07-2009)

REASONING

1. '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

2. 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

3. 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

4. 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

5. 'FI' 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

6. 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) 217
   (2) 103
   (3) 241
   (4) 157
   (5) 131

7. 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

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

9. 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

10. 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

11. 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

12. In a certain code MODEL is written as '513#2 and DEAR is written as '3#%8'. How is LOAD written in that code ?
    (1) 21 % 3
    (2) 23 % 1
    (3) 25 % 3
    (1) 21 # 3
    (5) None of these

13. 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

14. 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

15. 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 (16-20) : 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 a 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.

16. **Statements :**
    All benches are cots.
    No cot is lamp.
    Some lamps are candles.
    Conclusions :
    I.   Some cots are benches.
    II. Some candles are cots.

17. Statements :
Some cats are dogs.
All dogs are goats.
All goats are walls.
Conclusions :
I. Some walls are dogs.
II. Some walls are cats.

18. Statements :
Some buildings are sofas.
Some sofas are benches.
Some benches are tables.
Conclusions :
I. Some tables are sofas.
II. No table is sofa.

19. Statements :
All rats are bats.
Some bats are desks.
All desks are chairs.
Conclusions :
I. Some desks are rats.
II. Some chairs are rats.

20. 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 (21 –25) : 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.

21. In which class does R study ?
(1) V   (2) III
(3) IV
(4) Data inadequate
(5) None of these

22. Which colour does R like ?
(1) Black   (2) Yellow
(3) Green   (4) Blue

23. Which colour does P like ?
(1) Green   (2) Yellow
(3) Red
(4) Data inadequate
(5) None of these

24. 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

25. In which class does M study ?
(1) IV   (2) III
(3) II   (4) V
(5) None of these

Directions (26 – 30) : In the following questions, the symbols @, ©, $, % 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.

26. Statements :
K @ V, V © N, N % F
Conclusions:
I. F @ V   II. K @ N

27. Statements :
H © W, W $ M, M @ B
Conclusions:
I. B ★ H   II. M % H

28. Statements :
D % B, B ★ T, T $ M
Conclusions :
I. T © D   II. M © D

29. Statements :
M ★ T, T @ K, K © N
Conclusions :
I. N ★ T   II. N ★ M

30. Statements :
R $ J, J % D, D ★ F
Conclusions :
I. D $ R   II. D @ R

Directions (31 –35) : Study the following information carefully and answer the questions given below :

Following are the conditions for selecting Personnel Manager in an organisation :

The candidate must—

(i) be a graduate with at least 50 per cent marks.

(ii) have a post graduate degree/diploma in Personnel Management/HR with at least 60 per cent marks.

(iii) not be more than 35 years as on 1.6.2009.

(iv) have post qualification work experience of at least five years in the Personnel/HR Division of an organisation.

(v) have secured at least 45 per cent marks in the selection process.

In the case of a candidate who satisfies all other conditions EXCEPT—

(a) at (iii) above, but have post qualification work experience of at least ten years, the case is to be retired to Director-Personnel.

(b) at (iv) above, but has post qualification work experience as Deputy Personnel Manager of at least three years, the case is to be referred to President-Personnel.

In each question below are given details of one candidate. You have to take one of the following courses of actions based on the information provided and the conditions and sub-conditions given above and mark the number of that course of action as your an-

swer. You are not to assume anything other than the information provided in each question. All these cases are given to you as on 1.6.2009.

Mark answer (1) if the candidate is to be selected.

Mark answer (2) if the candidate is not to be selected.

Mark answer (3) if the information provided is inadequate to take a decision.

Mark answer (4) if the case is to be referred to Director-Personnel.

Mark answer (5) if the case is to be referred to President-personnel.

31. Meena Srivastava was born on March 1978. She has been working as Deputy Personnel Manger in an organisation for the past four years after completing her post graduate diploma in HR with 68 per cent marks. She has secured 50 per cent marks in both graduation and selection process.

32. Ketan Desai was born on 5th January, 1976. He has been working for a past five years in the personnel department of an organisation after completing his post graduate diploma in personnel management with 64 per cent marks. He has secured 40 per cent marks in the selection process and 52 per cent marks in graduation.

33. Anant Joshi has been working in the personnel department of an organisation for the past six years. He was born on 7th November 1977. He has secured 60 per cent marks in post graduate degree in personnel management. He has also secured 55 per cent marks in both graduation and selection process.

34. Mohan Bajpai was born on 10th April, 1975. He has secured 55 per cent marks in graduation and 65 per cent marks in post graduate diploma in personnel management. He has been working in HR Department of an organisation for the past six years after completing his post graduate diploma.

35. Gopal Sharma has been working for the past five years in the HR Department of an organisation after completing his post graduate diploma in HR with 62 per cent marks. He has secured 50 per cent marks in both graduation and selection process. He was born on 29th May, 1974.

36. Arun Vohra has secured 55 per cent marks in graduation. He has been working in the personnel department of an organisation for the past eleven years after completing his post graduate degree in personnel management with 65 per cent marks. He has secured 50 per cent marks in the selection process. He was born on 12th August 1972.

37. Asha Dhar has secured 52 per cent marks in graduation and 62 per cent marks in post graduate degree in personnel management. She has also secured 48 per cent marks in the selection process. She has been working for the past seven years in the personnel department of an organisation after completing her post graduate degree. She was born on 8th June, 1974.

38. Sudha Ghosal was born on 20th October, 1976. She has been working on Deputy Personnel Manager for the past four years in an organisation after completing her post graduate degree in HR with 67 per cent marks. She has secured 60 per cent marks in graduation and 45 per cent marks in the selection process.

39. Amit Saxena was born on 25th July, 1973. He has been working in the personnel department of an organisation for the past eleven years after completing his post graduate diploma in HR with 70 per cent marks. He has secured 60 per cent marks in both graduation and selection process.

40. Navin Das was born on 14th April, 1978. He has been working in the personnel department of an organisation for the past six years after completing his post graduate diploma in HR with 65 per cent marks. He has secured 45 per cent marks in both graduation and selection process.

Directions (41–45) : 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.

Letters	M	D	R	P	A	T	W	E	I	F	H	U	K	Z
Digit Symbol Code	5	6	#	7	8	1	@	$	2	%	3	©	4	9

Conditions :

(i) If the first letter is a consonant and the last letter is a vowel, their codes are to be interchanged.

(ii) If both the first and the last letters are vowels, both are to be coded as ★.

(iii) 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.

41. TUKDIP
   (1) 1©4627
   (2) 1©4621
   (3) 7©4621
   (4) 1©6427
   (5) None of these

42. EFDMKA
   (1) $%6548
   (2) $%654$
   (3) ★%654★
   (4) 8%6548
   (5) None of these

43. APWTUH
   (1) ★7@1©★
   (2) 87@1©3
   (3) 37@1©8
   (4) 87@1©8
   (5) None of these

44. MARTWE
   (1) 58#1@$
   (2) 58#1@5
   (3) $8#1@5
   (4) $8#1@5
   (5) None of these

45. HEMKZI
   (1) 2$5493
   (2) 3#5492
   (3) 3$5493
   (4) 2$5492
   (5) None of these

Directions (46–50) : Study the following information carefully and answer the given questions :

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input   : base 35 or gone 62 49 87 ahead

Step I   : 87 base 35 or gone 62 49 ahead

Step II   : 87 ahead base 35 or gone 62 49

Step III   : 87 ahead 62 base 35 or gone 49

Step IV   : 87 ahead 62 base 49 35 or gone

Step V   : 87 head 62 base 49 gone 35 or

and Step V is the last step of the rearrangement.

As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the given input.

46. Input : how was your stay 56 25 36 64

Which of the following will be step VI ?

(1) 64 how 56 was your stay 25 36

(2) 64 how 56 stay 36 was 25 your

(3) 64 how 56 stay 36 was your 25

(4) There will be no such step

(5) None of these

47. Input : power fail now 52 24 75 gate 34

Which of the following steps will be the last but one ?

(1) IV   (2) V

(3) VI   (4) VII

(5) None of these

48. Step III of an input is : 91 car 85 14 27 few new house

Which of the following is definitely the input ?

(1) 85 14 91 car few new house

(2) car 91 85 14 27 few new house

(3) car 85 14 27 few new house 91

(4) Cannot be determined

(5) None of these

49. Step II of an input is : 75 down 16 24 farm eager 62 sky

How many more steps will be required to complete the rearrangement ?

(1) Four   (2) Five

(3) Six   (4) Seven

(5) None of these

50. Input : 14 35 when they came 61 48 home

How many steps will be required to complete the rearrangement ?

(1) Four   (2) Five

(3) Six   (4) Seven

(5) None of these

Directions (51– 55) : Below in each question are given two statements (A) and (B). These statements may be either independent causes or may be effects of independent causes or a common cause. One of these statements may be the effect of the other statement. Read both the statements and decide which of the following answer choices correctly depicts the relationship between these two statements.

Mark answer (1) if statement (A) is the cause and statement (B) is its effect.

Mark answer (2) if statement (B) is the cause and statement (A) is its effect.

Mark answer (3) if both the statements (A) and (B) are independent causes.

Mark answer (4) if both the statements (A) and (B) are effects of independent causes.

Mark answer (5) if both the statements (A) and (B) are effects of some common cause.

51. (A) Many elderly people are continuously harassed by the youngsters in the locality.

(B) Many children living in the locality play till late in evening.

52. (A) The state government has decided to change the syllabus of Mathematics for Std. IX from the next academic year.

(B) Many students from the state could not secure admission to the colleges of their choice.

53. (A) Majority of the employees of the manufacturing company received a hefty bonus at the end of the current financial year.

(B) The manufacturing company has made considerable profit in the current financial year.

54. (A) The municipal authority decided to carry out repair work of the pipeline under the main arterial road of the city.

(B) Vehicular movement has been diverted through alternate roads for a period of fifteen days.

55. (A) There is a significant drop in the number of people travelling by air during the last quarter.

(B) There is a significant drop of the number of people travelling by long distance trains during the last quarter.

Directions (56 – 60) : In each question below is given a statement followed by two courses of action numbered I and II. A course of action is a step or administrative decision to be taken for improvement, follow-up or further action in regard to the problem, policy, etc. On the basis of the information given in the statement, you have to assume everything in the statement to be true, then decide of the suggested courses of action logically follow(s) for pursuing.

Give answer (1) if only course of action I follows.

Give answer (2) if only course of action II follows.

Give answer (3) if either course of action I or II follows.

Give answer (4) if neither course of action I nor II follows.

Give answer (5) if both courses of action I and II follow.

56. Statement : Drinking water supply to many parts of town is disrupted due to loss of water because of leakage in pipes supplying water.

Courses of action :

I. The government should order an enquiry into the matter.

II. The civic body should set up a fact-finding team to assess the damage and take effective step.

57. Statement: There is an alarming increase in the number of people suffering from malaria in many parts of the city.

Courses of action :

I. The municipal corporation has advised all the government hospitals to store adequate supply of malaria drugs.

II. The municipal corporation has urged people to use mosquito repellants and keep their premises clean.

58. Statement : Many people have encroached into the government property and built their houses and business establishments.

Courses of action :

I. The government should take immediate steps to remove all unauthorised constructions on government land.

II. All the encroachers should immediately be put behind bars and also be slapped with a hefty fine.

59. Statement : The meteorological department has predicted normal rainfall throughout the country during the current monsoon.

Courses of action :

I. The government should reduce the procurement price of foodgrains for the current year.

II. The government should reduce subsidy on fertilizers for the current year.

60. Statement : The number of dropouts in government schools has significantly increased in the urban areas over the past few years.

Courses of action :

I. The government should immediately close down all such schools in the urban areas where the dropout goes beyond 20 per cent.

II. The parents of all the students who dropped out of the government schools in urban areas should be punished.

Directions (61 – 65) : In each question below is given a statement followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.

Give answer **(1)** if only Assumption I is implicit.

Give answer **(2)** if only Assumption II is implicit.

Give answer **(3)** if either Assumption I or II is implicit.

Give answer **(4)** if neither Assumption I nor II is implicit.

Give answer **(5)** if both Assumptions I and II are implicit.

61. Statement : Many people fell ill after consuming meal at a wedding reception and were rushed to the nearby government and private hospitals.

Assumptions :

I. The relatives of the affected people may refuse to take them to the Government hospitals.

II. The nearby hospitals may be able to attend to all the affected people.

62. Statement: The government has recently announced incentive package for setting up new business ventures in the rural areas and promised uninterrupted power supply to all the units.

Assumptions :

I. The government may be able to supply adequate power to all such units.

II. People living in the rural areas may welcome the government decision.

63. Statement: The municipal authority blocked movement of traffic in and around the temple during the main festival city.

Assumptions :

I. Very large number of devotees may visit the temple during the main festival day.

II. People travelling to the areas near the temple may postpone their journey by a day unless they have very urgent work in that area.

64. Statement: The government has instructed all the private schools in the city to maintain the current fees for at least two more years.

Assumptions :

I. The authorities of private schools may not follow the government instruction as they are not dependent on government funds.

II. The parents of the students of private schools of the city may still be eager to pay higher fees.

65. Statement : The municipal authority has decided to demolish the old bridge on a busy road for constructing a new flyover.

Assumptions :

I. The traffic department may be able to divert movement of vehicles through alternate roads.

II. The people travelling in the nearby areas may demonstrate to protest against the authority's decision.

Directions (66 – 75) : In each of the questions given below which one of the five answer figures should come after the problem figures, if the sequence were continued ?
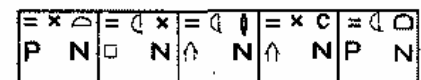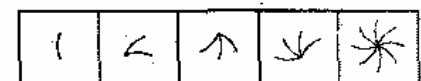
66. Problem Figures
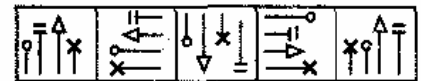
Answer Figures
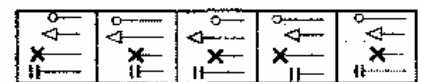
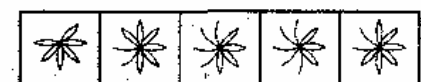(1) (2) (3) (4) (5)

67. Problem Figures

Answer Figures

(1) (2) (3) (4) (5)
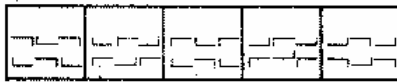
68. Problem Figures

Answer Figures
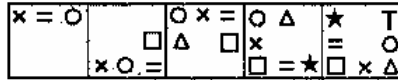
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69. Problem Figures
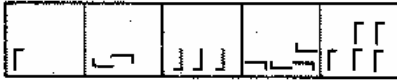
Answer Figures

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

70. Problem Figures

**Answer Figures**

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

Directions (71 – 75) : In each of the following questions, a related pair of figures (unnumbered) is followed by five numbered pairs of figures. Out of these five, four have relationship similar to that in the unnumbered pair. Only one pair of figures does not have similar relationship. Select that pair of figures which does not have a similar relationship to that in the unnumbered pair. Number of that pair is your answer.

71.

72.

73.

74.

75.
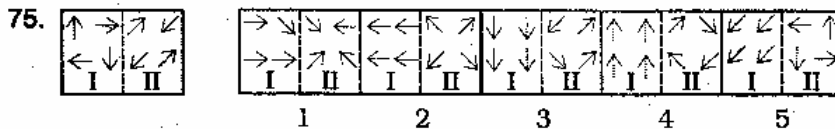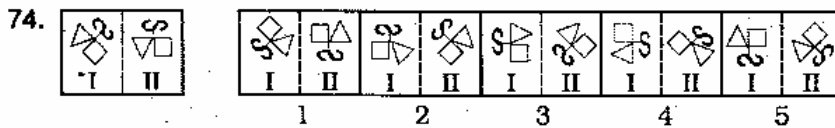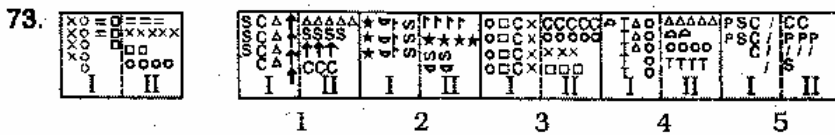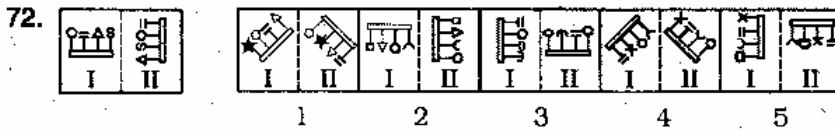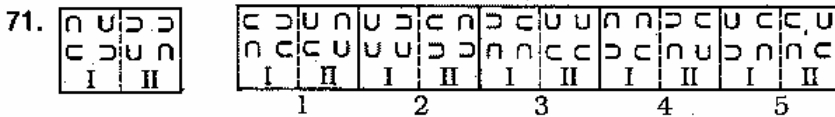
QUANTITATIVE APTITUDE

Directions (76–80) : What will come in place of the question mark (?) in the following questions ?

76. 2.8 × 1.5 + 8% of 250 = ?
- (1) 24.2
- (2) 24.02
- (3) 242.2
- (4) 2.42
- (5) None of these

77. $3\frac{2}{7} - 2\frac{1}{14} - 1\frac{1}{7} = ? + 2\frac{1}{14}$
- (1) $1\frac{1}{7}$
- (2) $1\frac{2}{7}$
- (3) $\frac{1}{7}$
- (4) $\frac{3}{7}$
- (5) None of these

78. $\frac{3}{8}$ of $\frac{4}{5}$ of $\frac{2}{3}$ of 730 = ?
- (1) 86
- (2) 146
- (3) 156
- (4) 93
- (5) None of these

79. $8^7 \times 2^6 \div 8^{2.4} = 8^?$
- (1) 10.6
- (2) 9.6
- (3) 8.6
- (4) 6.6
- (5) None of these

80. 160% of 250 + ? = 120% of 400
- (1) 160
- (2) 40
- (3) 80
- (4) 120
- (5) None of these

Directions (81–85) : What will come in place of the question mark (?) in each of the following number series ?

81. 2 8 26 ? 242
- (1) 78
- (2) 72
- (3) 82
- (4) 84
- (5) None of these

82. 3 4 12 ? 196
- (1) 45
- (2) 40
- (3) 41
- (4) 49
- (5) None of these

83. 9 17 ? 65 129
- (1) 32
- (2) 24
- (3) 35
- (4) 33
- (5) None of these

84. 7 13 ? 49 97
- (1) 27
- (2) 25
- (3) 23
- (4) 29
- (5) None of these

85. 5 3 6 ? 64.75
- (1) 15
- (2) 15.5
- (3) 17.5
- (4) 17.25
- (5) None of these

86. Out of 5 women and 4 men a committee of three members is to be formed in such a way that at least one member is a woman. In how many different ways can it be done ?
- (1) 80
- (2) 84
- (3) 76
- (4) 96
- (5) None of these

87. 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

88. 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

89. 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

90. 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

91. In how many different ways can the letters of the word TOTAL be arranged ?
   (1) 120   (2) 60
   (3) 48   (4) 72
   (5) None of these

92. If the area of a circle is 616 cm.^{2}, what is its circumference?
   (1) 76 cm.   (2) 84 cm.
   (3) 96 cm.   (4) 80 cm.
   (5) None of these

93. 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

94. 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. 4,641
   (4) Rs. 4,680
   (5) None of these

95. 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. 36,000
(5) None of these

Directions (96 – 100) : What approximate value will come in place of the question mark (?) in the following questions? (You are not expected to calculate exact value).

96. 7999.99 + 72 × 49.99 = ?
   (1) 12000   (2) 12600
   (3) 12500   (4) 11600
   (5) 11000

97. $(25.01)^2 - (15.99)^2 = ?$
   (1) 361   (2) 381
   (3) 369   (4) 375
   (5) 356

98. 380 × 12.25 − 365 ÷ 15 = ?
   (1) 4500   (2) 4550
   (3) 4800   (4) 4850
   (5) 4630

99. 180% of 25501 + 50% of 28999 = ?
   (1) 62400   (2) 64000
   (3) 60400   (4) 64200
   (5) 61600

100. 171.995 × 14.995 ÷ 25 = ?
   (1) 105   (2) 115
   (3) 110   (4) 125
   (5) 120

Directions (101 – 105) : Each of the questions below consists of a question and two statements numbered I and II are given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and

Give answer (1) if the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.

Give answer (2) if the data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.

Give answer (3) if the data in Statement I alone or in Statement II alone are sufficient to answer the question.

Give answer (4) if the data in both the Statements I and II are not sufficient to answer the question.

Give answer (5) if the data in both the Statements I and II together are necessary to answer the question.

CAUTION : Do not mark your answer unless you consider both the statements carefully.

101. What is Nikita's share in the profit of Rs. 50,000 earned in the business run by her in partnership with Sharmila ?
   I. Nikita invested an amount 150% of the amount invested by Sharmila.
   II. Amount invested by Sharmila is two-third of the amount invested by Nikita.

102. What is the two digit number ?
   I. Sum of the digits is 6.
   II. Digit in the ten's place is double the digit in the unit's place.

103. What is the rate of interest p.c.p.a. ?
   I. The amount doubles itself in 10 years.
   II. The simple interest accrued in 5 years is Rs. 5,000.

104. In how many days can B alone complete the work ?
   I. B and C together can complete the work in 8 days.
   II. A and B together can complete the work in 12 days.

105. What is the mother's present age?
   I. Present ages of mother and child are in the ratio of 5 : 1 respectively.
   II. Four years hence the ratio of the ages of mother and child will be 17 : 5 respectively.

Directions (106–110) : Study the following table carefully to answer these questions :

TABLE SHOWING NUMBER (IN LAKHS) OF INSTRUMENTS MANUFACTURED BY SIX COMPANIES OVER THE YEARS

Company Year	A	B	C	D	E	F
2002	45	35	48	42	50	49
2003	40	32	52	46	48	45
2004	48	36	50	43	56	48
2005	49	37	45	48	52	44
2006	46	30	55	50	54	50
2007	52	38	47	40	51	52

106. What is the average number of instruments manufactured by company C for all the given years ?
    (1) 49,00,000 (2) 49,50,000
    (3) 48,50,000 (4) 48,00,000
    (5) None of these
107. The number of instruments manufactured by company E in 2004 is **approximately** what per cent of the total number of instruments manufactured by all the companies together in 2004 ?
    (1) 23   (2) 25
    (3) 20   (4) 16
    (5) 18
108. Total number of instruments manufactured by company A is **approximately** what per cent of the total number of instruments manufactured by company F for all the given years together ?
    (1) 97   (2) 87
    (3) 92   (4) 90
    (5) 85
109. The number of instruments manufactured by company B in 2005 is **approximately** what per cent of the total number of instruments manufactured by company B in all the years together ?
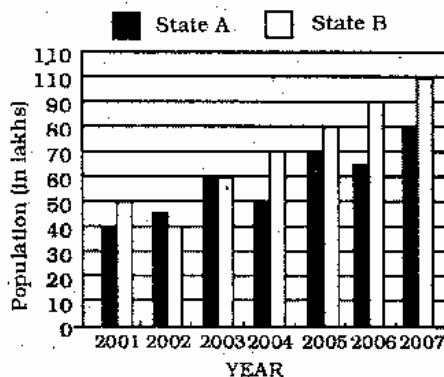   (1) 20   (2) 16
    (3) 14   (4) 18
    (5) 22
110. What is the ratio between the total number of instruments manufactured by all the companies together in 2007 and that in 2006 respectively ?
    (1) 56 : 57   (2) 57 : 56
    (3) 29 : 28   (4) 28 : 29
    (5) None of these

Directions (111-115) : Study the following graph carefully to answer these questions.

POPULATION OF TWO STATES (IN LAKHS) OVER THE YEARS

111. Population of State B in 2002 is what per cent of the total population of State B in all the years together ? (Rounded off to two digits after decimal).
    (1) 8.26
    (2) 7.26
    (3) 8.32
    (4) 7.82
    (5) None of these
112. What is the ratio between the total population of State A for the years 2001, 2002 and 2003 together and the total population of State B for the years 2005, 2006 and 2007 together respectively ?
    (1) 27 : 53
    (2) 54 : 29
    (3) 29 : 54
    (4) 53 : 27
    (5) None of these
113. For which State and in which year the per cent rise in population from the previous year was the highest ?
    (1) State B - 2003
    (2) State B - 2002
    (3) State A - 2004
    (4) State A - 2005
    (5) None of these
114. What is the per cent rise in population of State B from 2003 to 2004?
    (1) $16\frac{1}{3}$

    (2) $16\frac{2}{3}$

    (3) $18\frac{2}{3}$

    (4) $18\frac{1}{3}$

    (5) None of these
115. **Approximately** what is the average population of State A for all the given years ?
    (1) 65 lakhs
    (2) 50 lakhs
    (3) 48 lakhs
    (4) 58 lakhs
    (5) 52 lakhs

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

PERCENTAGE OF EMPLOYEES IN VARIOUS DEPARTMENTS OF AN ORGANISATION AND THE MALE-FEMALE RATIO

Total Number of Employees = 2500
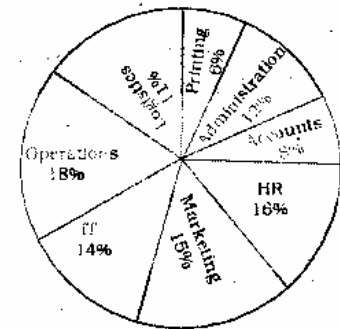
Male : Female Ratio

Department	Male	:	Female
Administration	7	:	5
Accounts	2	:	3
HR	5	:	3
Marketing	7	:	8
IT	3	:	4
Operations	5	:	4
Logistics	6	:	5
Printing	2	:	1

116. What is the ratio between male employees in Administration and Printing Departments respectively ?
    (1) 7 : 4   (2) 4 : 7
    (3) 3 : 4   (4) 7 : 3
    (5) None of these
117. What is the difference between total number of employees in IT and Operations Departments ?
    (1) 75   (2) 150
    (3) 100   (4) 50
    (5) None of these
118. What is the ratio between total number of males in HR and Marketing and the total number of females in these two departments respectively ?
    (1) 13 : 15   (2) 15 : 13
    (3) 13 : 17   (4) 17 : 14
    (5) None of these
119. How many female employees are there in HR Department ?
    (1) 250   (2) 120
    (3) 125   (4) 150
    (5) None of these
120. What is the difference between the male and female employees in Logistics Department ?
    (1) 50   (2) 25
    (3) 75   (4) 100
    (5) None of these

Directions (121–125) : Study the following table carefully to answer these questions.

PERCENTAGE OF MARKS OBTAINED BY SIX STUDENTS IN DIFFERENT SUBJECTS

Subject Maximum Marks	His 50	Geo 50	Math 100	Sci 75	Eco 100	Eng 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

121. What are the average marks obtained by all students in Geography ?
(1) 41.5 (2) 42.5
(3) 38.5 (4) 39.5
(5) None of these

122. 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

123. 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

124. 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

125. What are the total marks obtained by 'B' in all subjects together ?
(1) 376.3 (1) 373.6
(3) 376.6 (4) 373.3
(5) None of these

GENERAL AWARENESS

126. 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

127. 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

128. The Vishnugad Pipalkoti Hydel power project is being developed on which of the following rivers ?
(1) Ganga
(2) Alaknanda
(3) Yamuna
(4) Sabarmati
(5) None of these

129. Despite the rampant volatility in the market trends and rising costs all over the world, some countries were able to grab the business of outsourcing IT and BPO services from some big countries. Which of the following had been the most favoured nation during 2008-09 for the same?
(1) China (2) South Korea
(3) India (4) Brazil
(5) None of these

130. 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) Protectability
(2) Portability
(3) Promotability
(4) Permeability
(5) None of these

131. 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

132. 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

133. 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

134. Which of the following statement(s) is/are correct about the Aam Aadmi Bima Yojana (AABY) launched by the Union Government ?

(A) The scheme is drawn to include another one crore beneficiaries in the scheme by the end of September 2009.

(B) The scheme was announced to provide insurance cover to those women workers who come for job under National Rural Employment Guarantee Act.

(C) Under the scheme, the central government bears the entire amount of the premium which is around Rs. 6,000 per year for each beneficiary.

(1) Only A   (2) Only B
(3) Only C   (4) All A, B & C
(5) None of these

135. As per the Interim Budget of the Union Government for 2009-10, around Rs. 1,31,000 crores were allocated for various flagship programmes of the Government of India. Amongst these, one particular programme is given at Rs. 41,000 crores as it is aimed at development of infrastructure in the rural areas of the country. What is that programme ?

(1) Rajiv Gandhi Rural Drinking Water Mission
(2) Rural Employment Guarantee Scheme
(3) Jawaharlal Nehru Urban Renewal Scheme
(4) National Rural Health Mission
(5) None of these

136. Who amongst the following was the chairperson of the committee set up for Financial Sector Assessment by the Government of India and RBI ?

(1) Dr. Rakesh Mohan
(2) Dr. D. Subbarao
(3) Mr. Pranab Mukherjee
(4) Mr. P. Chidambaram
(5) None of these

137. As per the reports published in the newspapers the use of credit cards in India has gone down by about 8% during 2008-09. What are the main reasons for same ?

(A) High interest rate charged by the card companies.
(B) Rise in delinquency level related to use of credit cards.
(C) Government policies which do not allow the launch of new credit cards by the banks.

(1) Only A   (2) Only B
(3) Only C   (4) All A, B & C
(5) None of these

138. As per the reports in the media the exports from India has gone down by 13% in the last few months. What steps has the Union Government taken to boost the same ?

(A) Customs duty under export promotion capital goods scheme was cut to 3% from the earlier 5%.
(B) Special incentives of Rs. 325 crore were announced for sectors like handmade carpets, leather and textiles.
(C) Excise duty on the goods produced exclusively for exports is withdrawn fully.

(1) Only A   (2) Only B
(3) Only C   (4) Both A & B
(5) None of these

139. Which of the following states in India is at the top of the Investment Index prepared by the World Bank ?

(1) Gujarat   (2) Maharashtra
(3) Karnataka   (4) Tamil Nadu
(5) None of these

140. The G-20 Summit was organized in London on 2nd April, 2009. Which of the following announcement(s) was/were made in the summit ?

(A) US $ 1.1 trillion will be provided to restore credit, growth and jobs in the world economy.
(B) A wider global regulation will be launched to protect banks from the toxic assets.
(C) A Financial Stability Forum will be established with the assistance of IMF.

(1) Only A   (2) Only B
(3) Only C   (4) Both A & B
(5) All A, B and C

141. The Government of India recently provided an amount of Rs. 65,300 crores to about 3.6 crore farmers in India. What was the purpose of the distribution of this much amount to the farmers ?

(1) To enable them to purchase tractors and other hi-tech agricultural machines
(2) This was given to them as a debt waiver and relief package
(3) To provide them fertilizers and advanced high yielding seeds for the next harvesting season
(4) The help them to avail internet services and update their knowledge about the farming techniques and adopt new methods of the same
(5) None of these

142. Which of the following is true about Value Added Tax (VAT) ?

(A) It is a consumption tax levied on value added to the product on every stage of its production.
(B) VAT is levied by the Union Government and only a small part goes to State Governments.
(C) The income tax on retailers is now decided on the basis of their VAT collection in a year.

(1) Only A   (2) Only B
(3) Only C   (4) All A, B & C
(5) None of these

143. Mr. Najib Razak is the new Prime Minister of _____ .

(1) Myanmar   (2) Indonesia
(3) Malaysia   (4) Thailand
(5) None of these

144. India recently signed an agreement with the European patent office. How would this agreement be helpful to our country ?

(A) It will help India to protect its traditional knowledge of medicines.
(B) India's Traditional Knowledge Library which is in digital form will now be available to the

Patent Examiners at the European Patent Office.

(C) India will have the right to grant patents for all its traditional medicines and herbs.

(1) Only A (2) Only B

(3) Only C (4) All the three

(5) None of these

145. The 21st Arab League Summit was held in which of the following countries in March 2009 ?

(1) Saudi Arabia

(2) Iran

(3) Qatar

(4) UAE

(5) None of these

146. India recently got a consignment of 60 tonnes of uranium from which of the following countries to be used in Rajasthan Atomic Power Station ?

(1) USA (2) Canada

(3) France (4) South Korea

(5) China

147. India and Chile recently agreed to allow **Free Trade** between both the countries. What does it really mean ?

(A) India can sell any product to Chile and Chile can also sell any product to India.

(B) India and Chile both will sell goods or services to each other ut the payment for the same will be only in return goods. No hard cash will be paid for such transactions.

(C) Whatever goods both of them will import or export, the payment will be made only in US dollars and only cash transaction will take place.

(1) Only A (2) Only B

(3) Only C (4) Both A & B

(5) None of these

148. Which of the following statement(s) is/are correct about the Global Hunger Index published recently ?

(A) The Index is prepared every year by the United Nations Food Programme (WFP).

(B) As per the report about 27% of world's undernourished population lives in India.

(C) The number of undernourished is more in urban areas than the rural one.

(1) Only A

(2) Only B

(3) Only C

(4) All the three

(5) None of these

149. The President's Rule was imposed in which of the following North-Eastern States in March 2009 ?

(1) Nagaland

(2) Assam

(3) Arunachal Pradesh

(4) Meghalaya

(5) None of these

150. Arvind Bhat won the 23rd National Badminton Championship held in Indore by defeating _____.

(1) Nikhil Kanetkar

(2) P. Gopichand

(3) Nandu Natekar

(4) P. Kashyap

(5) None of these

151. Who amongst the following became the first woman pilot in the world to fly MIG-35 fighter plane ?

(1) Suman Sharma

(2) Saudamini Deshmukh

(3) Kirsty Moore

(4) Nicole Malachowski

(5) None of these

152. The 14th Summit of the Association of South-East Asian Nations (ASEAN) was organized in which of the following countries ?

(1) Vietnam (2) Myanmar

(3) Indonesia (4) Thailand

(5) None of these

153. India recent signed a Defence Deal with Israel. Which of the following statement(s) is/are true about the same ?

(A) India will purchase a state-of-the art air defence system from Israel at a whopping cost of US $ 1.4 billion.

(B) A complex of 5 ordinance plants would be established in Nalanda.

(C) Israel will develop a seaborne and shore-based system to protect India from missile attacks on it.

(1) Only A

(2) Only B

(3) Only C

(4) Both A & B

(5) All A, B & C

154. Mr. Morgan Tsvangirai is the new _____.

(1) President of Zimbabwe

(2) Prime Minister of Zimbabwe

(3) President of Kenya

(4) Prime Minister of Kenya

(5) None of these

155. Which of the following teams won the ICC Women's World Cup Cricket Finals held in March 2009 ?

(1) Australia

(2) India

(3) England

(4) New Zealand

(5) None of these

156. As we all can notice, the nature of agribusiness in India has changed a lot in the last few years. This is because the food habits of the people have changed. What are these changes ?

(A) The consumption of high value food like fruits, vegetables, fishery and livestock has increased. Hence, farmers are shifting attention to these.

(B) The demand for processed food and ready-to-eat food has increased. Hence, agro business has become a lucrative option.

(C) The use of genetically modified seeds has started giving bumper crops and 60% of the same is sold as processed food in local and foreign markets.

(1) Only A (2) Only B

(3) Only C (4) All the three

(5) None of these

157. Which of the following countries is NOT a member of the Shanghai Cooperation Organisation which was in news recently ?

(1) Russia (2) India

(3) China (4) Kyrgyzstan

(5) Tajikistan

158. Under the Project 2011, the All India Football Federation is preparing players for the matches to be held in the year 2011 for which of the following events ?
(1) Olympics
(2) Asian Cup
(3) FIFA World Cup
(4) National Championship
(5) None of these

159. As per reports some state governments in India have put a ban on the sale Ammonium Nitrate or its other combinations in the open market as the same is being used by some people as an explosive. Ban on open sale of such chemicals can be put under which of the following Acts ?
(1) Explosive Substance Act
(2) Narcotics Act
(3) The Trade & Merchandise Act
(4) Dangerous Drugs Act
(5) None of these

160. Who amongst the following is the author of the book "Flight Into Fear" ?
(1) Capt. Devi Sharan
(2) Admiral Vishnu Bhagwat
(3) Dr. Kiran Bedi
(4) Sri Jaswant Singh
(5) None of these

161. Which of the following is an international forum to discuss and implement supervisory norm in all the banks of the world ?
(1) Basel Committee
(2) UN Charter on Commercial Laws
(3) International Board of Bank and Finance
(4) World Trade Organisation
(5) None of these

162. Which of the following states ranked first in implementation of the Central Government sponsored scheme 'Artificial Recharge of Ground Water Through dug Wells in Hard Rock Areas' ?
(1) Madhya Pradesh
(2) Maharashtra
(3) Karnataka
(4) Tamil Nadu
(5) None of these

163. Which of the following is/are true about the Competition Commission which is set up recently ?
(A) The Commission is established to prevent practices which do not support healthy business competition.
(B) The Commission will have five members including the Chairman.
(C) The Commission has to ensure that the financial operations of any business entity does not get concentrated in the hands of few people.
(1) Only A
(2) Only B
(3) Only C
(4) All the three
(5) None of these

164. 'Anti Tobacco Day' is observed in India on which one of the following days ?
(1) 11th April
(2) 11th May
(3) 11th June
(4) 31st May
(5) 30th June

165. Which of the following teams won the National Women's Football Championship Final (Seniors) held in March 2009 ?
(1) Manipur
(2) West Bengal
(3) Tamil Nadu
(4) Maharashtra
(5) None of these

166. Who amongst the following was chosen for the award of Hoover Model 2008 for his/her contribution to upliftment of poor and rural people ?
(1) Shri Rahul Gandhi
(2) Dr. A.P.J. Abdul Kalam
(3) Mrs. Sonia Gandhi
(4) Dr. Manmohan Singh
(5) None of these

167. Who amongst the following is the author of the book "Cricket My Style" ?
(1) Sunil Gavaskar
(2) Ravi Shastri
(3) Kapil Dev
(4) Sachin Tendulkar
(5) Saurav Ganguly

168. Many times we read about Foreign Investment in the country for various project schemes. Why should government promote the idea of Foreign direct Investment particularly when it can provide funds from its own resources ?
(A) It is a supplement to domestic investments and is preferred to bridge the investment-savings gap.
(B) Foreign Direct Investment helps in providing better and advanced technology which is sometimes not available domestically.
(C) It generates new employment opportunities.
(1) Only A
(2) Only B
(3) Only C
(4) Both A & B
(5) All A, B & C

169. The name of Mr. Jacob Zuma was in news recently as his party has won the general election in his country with landslide victory. Mr. Zuma is from which country ?
(1) Algeria
(2) Lebanon
(3) South Africa
(4) Vnezuela
(5) None of these

170. As we all know, lot of people from underdeveloped states migrate to various progressive states as agricultural labour. What are the major problems of agriculture in India owing to which people have to leave their own land and work as labourer on somebody else's farm/land ?
(A) Lack of irrigation facilities, low productivity of land and uncertain monsoon.
(B) Non-availability of fertilizers, etc. on subsidized rates.
(C) Single crop cultivation.
(1) Only A
(2) Only B
(3) Only C
(4) All the three
(5) None of these

171. Yuki Bhambri who won an international tournament recently is a famous ____.
(1) Badminton player
(2) Chess player
(3) Pistol shooter
(4) Lawn Tennis player
(5) Table Tennis player

172. Who amongst the following is NOT a recipient of the Padma Shri Award given away recently?

(1) Penaz Masani

(2) Aishwarya Rai Bachhan

(3) Sonam Kapur

(4) Kumar Sanu

(5) M.S. Dhoni

173. As we read these days, many world economies are passing through recession at present. When can an economy be called "in recession" ?

(A) When a decline occurs in almost all major economic activities.

(B) When the inflation reaches at a very high rate or becomes double digit inflation.

(C) When big financial scams and frauds start taking place.

(1) Only A

(2) Only B

(3) Only C

(4) All the three

(5) None of these

174. Vyas Samman is given for excellence in the field of _____.

(1) Film   (2) Literature

(3) Dance   (4) Music

(5) Science and Technology

175. Which of the following is **true** about the "Village Grain Bank Scheme" ?

(A) The Scheme was launched to provide safeguards against starvation during the period of natural calamities or lean season.

(B) The grain banks are set up in food scarce areas like drought prone areas, hot and cold desert areas, tribal areas and inaccessible hilly areas.

(C) Village Panchayates who were running village grain banks earlier are now not authorized to run the same. Instead the authority is now given to NGOs and SHGs in the village.

(1) Only A   (2) Only B

(3) Only C   (4) Only A & B

(5) All A, B & C

ENGLISH LANGUAGE

Directions (176 – 190) : Read the following passage carefully and answer the questions given below it. Certain words are printed in **bold** to help you locate them while answering some of the questions.

Capitalism is a great slave, but a pathetic master. This truth unfortunately gets lost in our chase for the **elusive** dream ..... especially in the West, the land that has been marketed as the land of dreams – the great Western dream. It's the dream of being independent masters of our lives, of making big bucks and of being happy – even if that happiness is being bought by money which all of them chase out there. No doubt, the West, on its part, has been fairly successful in creating material comforts a plenty. It has improved the living standard of its average citizen. However it has been achieved as a result of more than 200 years of **unbridled** growth and exploitation. And that is what has made the rest of the world mindlessly **chase** Westernism, not necessarily happiness or an ideal form of society. All because the shop window looks very impressive and it has been marketed very well.

But a deep look inside the shop tells a different tale. A different world lies behind, a world that is not quite visible to the starry eyed millions– for whom the Western way of life seems to be the ultimate dream.

Thus, we have Indians dreaming to become or to get married to an NRI and Indian middle class fathers dreaming of their sons reaching the Bay area and landing tech jobs, unmindful of the second class life they end up leading in the West. What goes unseen and almost unheard is that the West also happens to be the land that is right amongst the top in terms of the number of divorces per thousand, the number of single parent families per thousand, the number of old people in old age homes, the number of suicides, homicides, and of course, the number of college/school shootouts.

And why not! After all, such societies are constantly driven towards higher profits and materialism. Expectedly, this materialism comes at a cost that the world is paying today. This is the reason why we have millions dying of curable diseases in Africa and other underdeveloped countries, while the rich grow richer. Their growth will be reduced, if they were to start thinking of the poor. So what do they do to justify their greed for more ? They most **shrewdly** propagate and market a ridiculously primitive law of the jungle for our 21st century civilian, the 'Law of Survival of the Fittest'!

The interesting thing about material things is that they only give an illusion of happiness; however such happiness is always **momentary** in nature. Ergo, at this juncture, you feel you are the happiest person in the world, after buying your new car or flat screen TV, and just a few days later, these are the very possessions that cease to make you happy. While you chase the bigger car and spend that extra bit of the wealth, you intercept someone's share of the daily bread and also sacrifice those who have the maximum power to make you happy – family, emotions and love. Prolonged abstinence in feeling emotions finally destroys bliss; and you don't even realize when you' have become a dry-eyed cripple..... and then you land up in a sermon workshop to find out the real meaning of life– or whatever these workshops are capable of explaining. The truth is that such workshops are also driven by merchants who cash in on the **dejected** state of the people, a state created by their own fictional dreams. But by then it's really too late.

By then, you have made profits out of arms, and engineered wars to keep that industry alive. You've sold guns across counters at supermarkets and made more profits. You've lobbied that guns should be made accessible to the common man, and all for the sake of profits. This makes you realize one day that they are your own children who are in the line of fire against the school goer who opens fire at his schoolmates.

This is the society that finally creates an emotionless monster, who gets satisfaction in killing innocent adults and children alike for no cause, no reason and for none, for himself. It is the utter destruction of spiritualism and the total focus on endless self-gratification. Where so many single parent families

and divorces exist, it is impossible to bring up children or influence the killers, any better.

176. Who does the author hold responsible for the shooting spree in schools and colleges ?
    (A) Lack of love and emotion in the society in general.
    (B) Increased focus on self-gratification even when it comes at the cost of innocent lives.
    (C) Deteriorating social structure leading to break up of families resulting in lack of moral development in children.
    (1) Only A　　(2) Only C
    (3) Only B and C
    (4) All of these
    (5) None of these

177. Why does the author refer to the law of survival of the fittest as ridiculous ?
    (1) This law is primitive and holds good for developed nations
    (2) This primitive law is often used to justify the accumulation of wealth by a selected few
    (3) People from developing countries use it to rationalize their immigration to the Western countries
    (4) It does not lead to any material profits and material wealth
    (5) None of these

178. According to the passage, which of the following is a reason for poverty and hunger in underdeveloped countries ?
    (A) Mindlessly chasing the Western way of living.
    (B) They have fallen prey to the idea of happiness through material comforts rather than love and emotional bond.
    (C) They do not have marketing techniques as good as the western countries.
    (1) Only (B)　　(2) Only (C)
    (3) Only (A)
    (4) Only (B) and (C)
    (5) Non mentioned in the passage

179. Why do the 'starry eyed millions' harbour a wish to become an NRI ?

    (A) They are driven towards higher profits and materialism.
    (B) They appreciate the western way of life as it appears to them.
    (C) They have become emotionless and have lost any attachment to the motherland.
    (1) Only (A)
    (2) Only (B)
    (3) Only (A) and (B)
    (4) Only (C)
    (5) All (A), (B) and (C)

180. Why does the author disregard the Western way of living even though an average citizen in the West enjoys better living standards ?
    (1) Many Indians want to ape their lifestyle leading to a cultural dilution of their own traditions
    (2) The West hads failed to market their lifestyle in an appropriate way
    (3) According to him the law of 'survival of the fittest' is now obsolete
    (4) It only looks forward to material comfort rather than happiness within
    (5) None of these

181. What does the author mean by 'intercepting someone's share of daily bread' ?
    (1) Hindering the process of marketing in underdeveloped countries by the developed countries
    (2) Denying material comfort to the Western world
    (3) Affecting the social life of those working towards material comforts only
    (4) Excess of wealth in western world while people in poorer nations struggle for survival
    (5) None of these

182. What does the author mean by 'shop window of the West' when he suggests to look inside the shop ?
    (A) The sprawling super markets have been making profits out of inhuman activities.
    (B) To look closely at the existing societal structure rather than su-

perficially appreciating the delusive dazzle.
    (C) To study their marketing techniques closely.
    (1) Only A　　(2) Only B
    (3) Only A and B
    (4) Only B and C
    (5) Only C

183. The author's main objective in writing the passage is
    (1) to explain that consumerist societies have their own drawbacks which are overlooked by those who are blinded by its material glare
    (2) to explain how too many material comforts have improved the living standard of common man in the west
    (3) that young children should not be given access to guns and other ammunitions
    (4) All NRIs are leading unmindful, second class lives abroad
    (5) None of these

184. Which of the following is not true according to the passage ?
    (1) Over indulgence in accumulating material wealth has led to many problems on the social and emotional fronts
    (2) People should visit the sermons more often since this is the only way to achieve peace and happiness
    (3) For the sake of making profits, people have taken decisions which have proved to be harmful to the society.
    (4) There are plenty of material comforts in the Western countries.
    (5) None of these

Directions (185 – 187) : Choose the word which is MOST **similar** in meaning to the word printed in **bold** as used in the passage.

185. SHREWDLY
    (1) Roughly　　(2) Rightly
    (3) Rudely　　(4) Courteously
    (5) Astutely

186. CHASE
    (1) Follow　　(2) Capture
    (3) Run　　(4) Catch
    (5) Conquer

187. ELUSIVE
   (1) Terrifying   (2) Unusual
   (3) Unachievable
   (4) Haunting
   (5) Displeasing

   Directions (188 – 190) : Choose the word which is most OPPOSITE in meaning to the word printed in bold as given in the passage.

188. DEJECTED
   (1) Apologetic (2) Anxious
   (3) Accepted   (4) Elated
   (5) Enlightened

189. UNBRIDLED
   (1) Enthusiastic
   (2) Controlled
   (3) Rebellious
   (4) Considerate
   (5) Approved

190. MOMENTARY
   (1) Sporadic   (2) Futuristic
   (3) Brief
   (4) Homogeneous
   (5) Perpetual

   Directions (191 – 200) : 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.)

191. In emerging economies, (1)/ the private credit market (2)/ remains highly segmented and thus (3)/ weaken power of monetary policy. (4)/ No error (5)

192. The recent election campaign (1)/ has been one of (2)/ the most noisiest campaigns (3)/ in the last decade. (4)/ No error (5).

193. Wholesome strategic planning (1)/ was the focus as (2)/ the firm manage through a difficult period (3)/ a couple of years ago. (4)/ No error (5)

194. Inspite of the best governmental efforts, (1)/ emission of greenhouse gases (2)/ and noxious chemicals (3)/ remain a cause of worry. (4)/ No error (5)

195. The rate of metabolism of (1)/ a body is comparatively lowest when (2)/ it is at rest and is (3)/ thus optimum for examination. (4)/ No error (5)

196. The opposition leader tried (1)/ to bolster his position (2)/ with the voters pressing (3)/ corruption charges against rivals. (4)/ No error (5)

197. The recently imposed dress code (1)/ in the university has enraged (2)/ the students who will be going (3)/ on strike since tomorrow. (4)/ No error (5)

198. Ever since he took over (1)/ as the chief minister of the state, (2)/ rate for unemployment (3)/ has drastically increased. (4)/ No error (5)

199. Although the brilliant writer, (1)/ an lying (2)/ pessimism prevails in (3)/ all her novels. (4)/ No error (5)

200. Changed social setting (1)/ demands the schools to teach (2)/ moral and social values (3)/ among with the academic skills. (4)/ No error (5)

   Directions (201 – 205) : Which of the phrases (1), (2), (3) and (4) given below should replace the phrase given in bold in the following sentence to make the sentence grammatically meaningful and correct. If the sentence is correct as it is and 'No correction is required', mark (5) as the answer.

201. The grim job market has taken its toll on students, **many of those had hoped for a much better future.**
   (1) much of whom
   (2) many of whom
   (3) several of those
   (4) many of which
   (5) No correction required

202. The relationship we have with **our clients are** the cornerstone of our future.
   (1) our client are
   (2) each clients is
   (3) our clients is
   (4) all clients are
   (5) No correction required

203. Many developed countries **have been attempting** to buy agricultural land in other countries to meet their own demand.
   (1) has been attempting
   (2) have being attempting
   (3) are being attempting
   (4) have been attempted
   (5) No correction required

204. A nuclear testing fills the air with radioactive dust **and left the area** uninhabitable.
   (1) and leaves the
   (2) also leaves the
   (3) and leaving the
   (4) and making to
   (5) No correction required

205. Modern ideas of governance **started back to** the time when people began to question kings.
   (1) started when
   (2) set back to
   (3) start back to
   (4) date back to
   (5) No correction required

   Directions (206 – 210) : Rearrange the following 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) Had it been not for them, Indian banks would have had their hands tied down too.

   (B) Today almost all the countries are facing the heat of recession.

   (C) One of these is the strict RBI and SEBI rules which regulated banking sector very efficiently.

   (D) This could have led to massive losses to them, which could have percolated to other sectors as well.

   (E) However there are a few things which help India in bouncing back from the state of recession.

   (F) Like others India too has not remained immune to the epidemic.

206. Which of the following sentence should be the THIRD after rearrangement ?
   (1) A   (2) E
   (3) D   (4) F
   (5) C

207. Which of the following sentence should be the FIRST after rearrangement ?
   (1) A   (2) B
   (3) C   (4) D
   (5) E

208. Which of the following sentence should be the SECOND after rearrangement ?

(1) A   (2) B
(3) D   (4) E
(5) F

209. Which of the following sentence should be the SIXTH (LAST) after rearrangement ?
(1) C   (2) E
(3) D   (4) B
(5) F

210. Which of the following sentence should be the FIFTH after rearrangement ?
(1) B   (2) C
(3) A   (4) E
(5) F

Directions (211 – 215) : Each question below has two blanks, each blank indicating that something has been omitted. Choose the set of words for each blank best fits the meaning of the sentence as a whole.

211. The organization _____ to popularize *Indian classical music* among the youth which has lost _____ *with its cultural roots.*
(1) endeavours, touch
(2) wishes, interest
(3) efforts, experience
(4) exerts, intrigue
(5) need, relation

212. One of the major critiques of the *examination system is that it* _____ to a spirit of _____ competition among the students.
(1) results, defective
(2) accompanies, adequate
(3) develops, intense
(4) takes, severe
(5) leads, unhealthy

213. Auroras are natural light displays in the sky, usually _____ at night, _____ in the Polar regions.
(1) watch, upward
(2) noticed, peculiar
(3) observed, only
(4) found, most
(5) follows, mainly

214. After the board examinations, students are _____ up for the various entrance examinations _____ for next month.
(1) ready, timed
(2) gearing, scheduled
(3) prepared, programmed
(4) set, duration
(5) geared, kept.

215. The governmental _____ spurred dramatic improvements in the way waste management is _____ out in many hospitals.
(1) rule, thrown
(2) *plans, conduct*
(3) crusade, done
(4) efforts, carried
(5) venture, disposed

Directions (216 – 225) : 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/phrases are suggested one of which fits the blank appropriately. Find out the appropriate words/phrases in each case.

Today it is (216) recognized that the 21st century will be driven by knowledge. To (217) the challenges of this century, India needs to usher in a knowledge revolution that (218) to bring about systemic changes in education.

While our economy has made significant strides, the education system has not kept (219) with the aspirations of the youth. The vast disparity in the country today is a result of skewed (220) to knowledge. To address this we need a substantial expansion in educational opportunities, with a special (221) on inclusion of the underprivileged.

At the bottom of the pyramid, *steps must be take to* (222) access to quality education. While the government *has taken steps to ensure educa-*tion to all, where it lacks in its efforts is *the quality perspective. Being a spiral-*ly upward drive, education can not be (223) *to improve at the higher level lest* it improves at the very grass root level. *The top of the pyramid, i.e. higher edu-*cation is also uneven. Students struggle *to compete in the exams which* (224) a sound knowledge of English. *While candidates are expected to trav-*el several kilometres to reach school *to obtain any education, the higher* education organizations often (225) *candidates from vernacular media* through State sponsored exams and *proudly affirm them as 'unbiased'.*

216. (1) thickly   (2) widely
(3) ample   (4) partly
(5) considered

217. (1) adhere to   (2) gather
(3) cover   (4) contact
(5) *meet*

218. (1) sought   (2) wanted
(3) seeks   (4) attempt
(5) determined

219. (1) adequate   (2) sufficient
(3) influence   (4) pace
(5) ahead

220. (1) access   (2) *approaching*
(3) rights   (4) infiltration
(5) excess

221. (1) aspiration   (2) intensity
(3) important   (4) place
(5) emphasis

222. (1) enjoy   (2) help
(3) provide   (4) diminish
(5) deepen

223. (1) awaited   (2) *judged*
(3) thought   (4) expected
(5) said

224. (1) demand   (2) has
(3) consume   (4) expects
(5) wants

225. (1) discourages   (2) disobey
(3) *contest*   (4) *assume*
(5) reject

ANSWER

■ SHORT ANSWERS ■

1. (4)	2. (2)	3. (4)	4. (2)
5. (1)	6. (1)	7. (1)	8. (3)
9. (5)	10. (3)	11. (3)	12. (1)
13. (4)	14. (3)	15. (2)	16. (1)
17. (5)	18. (3)	19. (4)	20. (2)
21. (3)	22. (5)	23. (1)	24. (5)
25. (4)	26. (2)	27. (5)	28. (4)
29. (1)	30. (3)	31. (5)	32. (2)
33. (1)	34. (3)	35. (2)	36. (4)
37. (2)	38. (5)	39. (4)	40. (2)
41. (1)	42. (3)	43. (5)	44. (3)
45. (1)	46. (4)	47. (3)	48. (4)
49. (1)	50. (3)	51. (4)	52. (4)
53. (2)	54. (1)	55. (5)	56. (4)
57. (5)	58. (1)	59. (4)	60. (4)
61. (2)	62. (5)	63. (5)	64. (4)
65. (1)	66. (4)	67. (5)	68. (3)
69. (1)	70. (2)	71. (1)	72. (2)

73. (5)	74. (4)	75. (3)	76. (1)
77. (5)	78. (2)	79. (4)	80. (3)
81. (5)	82. (1)	83. (4)	84. (2)
85. (3)	86. (1)	87. (4)	88. (4)
89. (1)	90. (5)	91. (2)	92. (5)
93. (2)	94. (3)	95. (4)	96. (4)
97. (3)	98. (5)	99. (3)	100. (1)
101. (3)	102. (5)	103. (1)	104. (4)
105. (5)	106. (2)	107. (3)	108. (1)
109. (4)	110. (1)	111. (5)	112. (3)
113. (1)	114. (2)	115. (4)	116. (1)
117. (3)	118. (4)	119. (4)	120. (2)
121. (3)	122. (5)	123. (2)	124. (4)
125. (1)	126. (2)	127. (1)	128. (2)
129. (3)	130. (2)	131. (5)	132. (3)
133. (2)	134. (5)	135. (5)	136. (1)
137. (2)	138. (4)	139. (3)	140. (1)
141. (2)	142. (1)	143. (3)	144. (2)
145. (3)	146. (3)	147. (2)	148. (2)
149. (4)	150. (4)	151. (1)	152. (4)
153. (1)	154. (2)	155. (3)	156. (2)
157. (2)	158. (2)	159. (1)	160. (1)
161. (1)	162. (2)	163. (4)	164. (4)
165. (1)	166. (2)	167. (3)	168. (3)
169. (3)	170. (1)	171. (4)	172. (3)
173. (1)	174. (2)	175. (1)	176. (4)
177. (2)	178. (5)	179. (3)	180. (4)
181. (4)	182. (3)	183. (1)	184. (2)
185. (5)	186. (1)	187. (3)	188. (4)
189. (2)	190. (5)	191. (4)	192. (3)
193. (3)	194. (4)	195. (2)	196. (3)
197. (4)	198. (3)	199. (2)	200. (4)
201. (2)	202. (3)	203. (5)	204. (1)
205. (4)	206. (2)	207. (2)	208. (5)
209. (3)	210. (3)	211. (1)	212. (5)
213. (3)	214. (2)	215. (4)	216. (2)
217. (5)	218. (3)	219. (4)	220. (1)
221. (5)	222. (3)	223. (4)	224. (1)
225. (2)			

EXPLANATIONS

1. (4) Mustard is an oilseed (seed). Similarly, carrot is a modified root.
2. (2) Meaningful Word ⇒ REST
3. (4) Except Plate, all others are used for storing water (liquid).
4. (2) Except Mercury, all others are solid at normal room temperature.
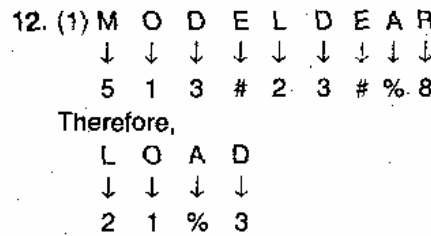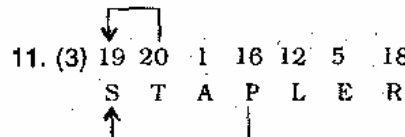
Mercury is liquid at normal room temperature.

5. (1)
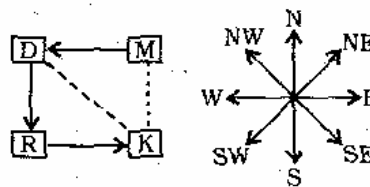$$F \xrightarrow{+6} L$$
$$I \xrightarrow{+6} O$$
Similarly,
$$P \xrightarrow{+6} V$$
$$S \xrightarrow{+6} Y$$

6. (1) Except the number 217, all others are Prime Numbers.

7. (1) M is mother of K and T.
W is brother of M.
Therefore, W is maternal uncle of T.

8. (3) Gram is the unit of mass. Similarly, Centimetre is the unit of length.

9. (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

10. (3) The colour of sky is blue. But here blue has been called yellow.
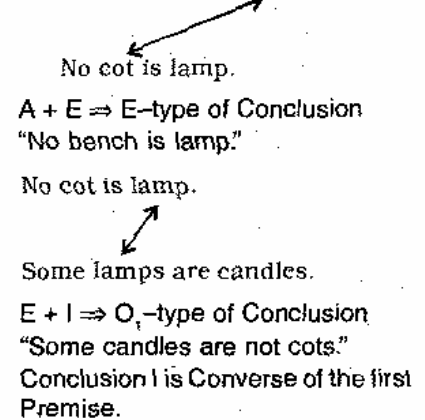
11. (3)
```
   19 20  1  16 12  5  18
    S  T  A  P  L  E  R
```

12. (1)
```
M  O  D  E  L  D  E  A  R
↓  ↓  ↓  ↓  ↓  ↓  ↓  ↓  ↓
5  1  3  #  2  3  #  %  8
```
Therefore,
```
L  O  A  D
↓  ↓  ↓  ↓
2  1  %  3
```

13. (4)

14. (3)
```
5  [2]  6  1  9  [8]  3
1  [2]  3  5  6  [8]  9
```

15. (3)
```
H  G  F  E  D  C  B  A
H  G  F  E  D  C  B
H  G  F  E  D  C
H  [G]
```
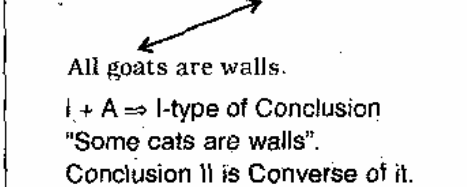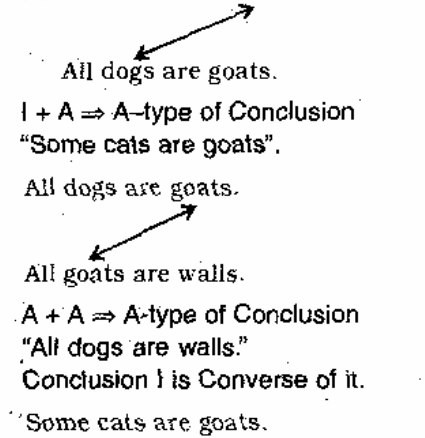
(16–20) :
(i) All benches are cots → Universal Affirmative (A–type).
(ii) Some lamps are candles → Particular Affirmative (I–type).
(iii) No cot is lamp → Universal Negative (E–type).
(iv) Some cots are not lamps → Particular Negative (O–type).

16. (1) All benches are cots.
No cot is lamp.
A + E ⇒ E–type of Conclusion
"No bench is lamp."

No cot is lamp.
Some lamps are candles.
E + I ⇒ O₁–type of Conclusion
"Some candles are not cots."
Conclusion I is Converse of the first Premise.

17. (5) Some cats are dogs.
All dogs are goats.
I + A ⇒ A–type of Conclusion
"Some cats are goats".

All dogs are goats.
All goats are walls.
A + A ⇒ A–type of Conclusion
"All dogs are walls."
Conclusion I is Converse of it.

Some cats are goats.
All goats are walls.
I + A ⇒ I–type of Conclusion
"Some cats are walls".
Conclusion II is Converse of it.
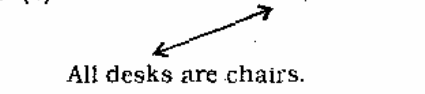
18. (3) All the three Premises are Particular Affirmative (I–type).
No Conclusion follows from the two Particular Premises.
Conclusions I and II form Complementary Pair.
Therefore, either Conclusion I or II follows.

19. (4) Some bats are desks.
All desks are chairs.

I + A ⇒ I–type of Conclusion
"Some bats are chairs."

20. (2) Some roads are ponds.

All ponds are stores.

I + A ⇒ I–type of Conclusion
"Some roads are stores."
Conclusion II is Converse of it.

(21 – 25) :

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

(26 – 30) :

© ⇒ ≤	% ⇒ ≥	★ ⇒ >
@ ⇒ <	$ ⇒ =	

26. (2) K @ V ⇒ K < V
V © N ⇒ V ≤ N
N % F ⇒ N ≥ F
Therefore,
K < V ≤ N ≥ F
Conclusions
I. F @ V ⇒ F < V : Not True
II. K @ N ⇒ K < N : True

27. (5) H © W ⇒ H ≤ W
W $ M ⇒ W = M
M @ B ⇒ M < B
Therefore,
H ≤ W = M < B
Conclusions
I. B ★ H ⇒ B > H : True
II. M % H ⇒ M ≥ H : True

28. (4) D % B ⇒ D ≥ B
B ★ T ⇒ B > T
T $ M ⇒ T = M
Therefore,
D ≥ B > T = M
Conclusions
I. T © D ⇒ T ≤ D : Not True
II. M © D ⇒ M ≤ D : Not True

29. (1) M ★ T ⇒ M > T
T @ K ⇒ T < K
K © N ⇒ K ≤ N
Therefore,
M > T < K ≤ N

Conclusions
I. N ★ T ⇒ N > T : True
II. N ★ M ⇒ N > M : Not True

30. (3) R $ J ⇒ R = J
J % D ⇒ J ≥ D
D ★ F ⇒ D > F
Therefore,
R = J ≥ D > F
Conclusions
I. D $ R ⇒ D = R : Not True
II. D @ R ⇒ D < R : Not True
Either I or II is true.

(31–40) :

Candidate	CRITERIA						
	(i)	(ii)	(iii) or (a)	(iv) or	(b)	(v)	
Meena	✓	✓	✓	–	–	✓	✓
Ketan	✓	✓	✓	–	✓	–	✗
Anant	✓	✓	✓	–	✓	–	✓
Mohan	✓	✓	✓	–	✓	–	NG
Gopal	✓	✓	✗	✗	✓	–	✓
Arun	✓	✓	–	✓	✓	–	✓
Asha	✓	✓	✗	✗	✓	–	✓
Sudha	✓	✓	✓	–	–	✓	✓
Amit	✓	✓	–	✓	✓	–	✓
Navin	✗	✓	✓	–	✓	–	✓

41. (1)　T　U　K　D　I　P
　　　↓　↓　↓　↓　↓　↓
　　　1　©　4　6　2　7
Condition (ii) is applicable.

42. (3)　E　F　D　M　K　A
　　　↓　↓　↓　↓　↓　↓
　　　★　%　6　5　4　★
Condition (iii) is applicable.

43. (5)　A　P　W　T　U　H
　　　↓　↓　↓　↓　↓　↓
　　　3　7　@　1　©　3
Condition (iii) is applicable.

44. (3)　M　A　R　T　W　E
　　　↓　↓　↓　↓　↓　↓
　　　$　8　#　1　@　5
Condition (i) is applicable.

45. (1)　H　E　M　K　Z　I
　　　↓　↓　↓　↓　↓　↓
　　　2　$　5　4　9　3
Condition (i) is applicable.

(46–50) : From the analysis of given input and various steps of rearrangement, it is evident that alternately one number and one word are arranged. The numbers get arranged in descending order and the words get arranged as per dictionary.

46. (4)

Input	:	how	was	your	stay
		56	25	36	64
Step I	:	64	how	was	your
		stay	56	25	36
Step II	:	64	how	56	was
		your	stay	25	36
Step III	:	64	how	56	stay
		was	your	25	36
Step IV	:	64	how	56	stay
		36	was	your	25
Step V	:	64	how	56	stay
		36	was	25	your

Step V is the last step.

47. (3)

Input	:	power	fail	now	52
		24	75	gate	34
Step I	:	75	power	fail	now
		52	24	gate	34
Step II	:	75	fail	power	now
		52	24	gate	34
Step III	:	75	fail	52	power
		now	24	gate	34
Step IV	:	75	fail	52	gate
		power	now	24	34
Step V	:	75	fail	52	gate
		34	power	now	24
Step VI	:	75	fail	52	gate
		34	now	power	24
Step VII	:	75	fail	52	gate
		34	now	24	power

48. (4) From the given step it is not possible to determine the input.

49. (1)

Step II	:	75	down	16	24
		farm	eager	62	sky
Step III	:	75	down	62	16
		24	farm	eager	sky
Step IV	:	75	down	62	eager
		16	24	farm	sky
Step V	:	75	down	62	eager
		24	16	farm	sky
Step VI	:	75	down	62	eager
		24	farm	16	sky

50. (3)

Input	:	14	35	when	they
		came	61	48	home
Step I	:	61	14	35	when
		they	came	48	home
Step II	:	61	came	14	35
		when	they	48	home
Step III	:	61	came	48	14
		35	when	they	home

Step IV : 61   came   48   home
         14   35   when they

Step V : 61   came   48   home
         35   14   when they

Step VI : 61   came   48   home
         35   they   14   when

56. (4) Considering the nature of problem, Courses of Action I is not necessary. Again, it is mentioned in the statement that water supply is disrupted due to loss of water owing to leakage in pipes supplying water. Thus, reason for disruption of water supply is known. Then, what is the need of setting-up of fact-finding mission.

57. (5) Both the Courses of Action are suitable for pursuing. In case of outbreak of malaria adequate supply of drugs in necessary. Again the people should use mosquito repellants and keep their premises clean to check breeding of mosquitoes.

58. (1) Only Course of Action I seems to be suitable for pursuing. Course of Action II is too harsh to be suitable.

59. (4) Neither of the Courses of Action is suitable for pursuing. A course of action is taken to solve or reduce a problem.

60. (4) Neither of the Courses of Action is suitable for pursuing. The Government should take some other measure to discourage dropout in government schools.

61. (2) Only assumption II seems to be implicit in the statement. People who fell ill were rushed to the nearby hospitals. It implies that the nearby hospitals were able to attend to all the affected people.

62. (5) Both the assumptions are implicit in the statement. If the government was not able to supply adequate power, such promise has not been made by the government. Any measure taken by the government for the benefit of people is graciouly welcomed by the people.

63. (5) Clearly both the assumptions are implicit in the statement.

64. (4) None of the assumptions is implicit in the statement.

The government issued instruction assuming that the authorities of private schools may follow it.

65. (1) Only assumption I is implicit in the statement. If traffic is disrupted on a busy road, diversion is made for smooth traffic.

66. (4) 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.

67. (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.

68. (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 figure.

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

70. (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.

71. (1) From first figure to second figure one design rotates through 90° clockwise while the other three designs rotate through 90° anticlockwise.

72. (2) From first figure to second figure the design rotates through 90° anticlockwise and the first and the third designs interchange positions, so as the second and the fourth designs.

73. (5) From first figure to second figure the plane of design rotates through 90° anticlockwise and the designs of the second position move to the first position and the designs of the first position move to the third position, the designs of the third position move to the last position and the designs of the last position move to the second position. Again, the number of two types of designs at the first and third positions is increased by one while the number of other two types of designs is reduced by one.

74. (4) From first figure to second figure the design rotates through 45° anticlockwise and the smaller design is laterally inverted.

75. (3) From first figure to second figure the arrow at the upper left corner rotates through 45° clockwise while the arrow at the lower left corner rotates through 45° anticlockwise, the arrow at the upper right corner rotates through 135° clockwise and the arrow at the lower right corner rotates through 135° anticlockwise.

76. (1) $? = 2.8 \times 1.5 + \dfrac{8 \times 250}{100}$

$= 4.2 + 20 = 24.2$

77. (5) $\dfrac{23}{7} - \dfrac{29}{14} - \dfrac{8}{7} = ? + \dfrac{29}{14}$

$\Rightarrow ? = \dfrac{23}{7} - \dfrac{29}{7} - \dfrac{8}{7}$

$= \dfrac{23 - 29 - 8}{7} = -\dfrac{14}{7} = -2$

78. (2) $? = \dfrac{3}{8} \times \dfrac{4}{5} \times \dfrac{2}{3} \times 730 = 146$

79. (4) $8^7 = \dfrac{8^7 \times 2^6}{8^{2.4}} = \dfrac{8^7 \times 8^2}{8^{2.4}}$

$\Rightarrow 8^? = 8^{7+2-2.4} = 8^{6.6}$

? = 6.6

80. (3) $\dfrac{160 \times 250}{100} + ? = \dfrac{120 \times 400}{100}$

$\Rightarrow 400 + ? = 480$

$\therefore ? = 480 - 400 = 80$

81. (5) The pattern is :

$2 \times 3 + 2 = 6 + 2 = 8$

$8 \times 3 + 2 = 24 + 2 = 26$

$26 \times 3 + 2 = 78 + 2 = \boxed{80}$

$80 \times 3 + 2 = 240 + 2 = 242$

82. (1) The pattern is :

$3 \times 1 + 1^2 = 3 + 1 = 4$

$4 \times 2 + 2^2 = 8 + 4 = 12$

$12 \times 3 + 3^2 = 36 + 9 = \boxed{45}$

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

83. (4) The pattern is :

$9 \times 2 - 1 = 18 - 1 = 17$

$17 \times 2 - 1 = 34 - 1 = \boxed{33}$

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

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

84. (2) The pattern is :

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

$13 \times 2 - 1 = 26 - 1 = \boxed{25}$

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

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

85. (3) The pattern is :

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

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

$6 \times 2.5 + 2.5 = 15 + 2.5 = \boxed{17.5}$

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

86. (1) The committee will be formed as follows :

(i) 1 woman and 2 men

(ii) 2 women and 1 man

(iii) 3 women

$\therefore$ Required number of committees

$= {}^5C_1 \times {}^4C_2 + {}^5C_2 \times {}^4C_1 + {}^5C_3$

$= 5 \times \dfrac{4 \times 3}{1 \times 2} + \dfrac{5 \times 4}{1 \times 2} \times 4 + \dfrac{5 \times 4 \times 3}{1 \times 2 \times 3}$

$= 30 + 40 + 10 = 80$

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

$\therefore \dfrac{2x + 4}{5x + 4} = \dfrac{6}{11}$

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

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

$\therefore$ Father's age 5 years ago

$= 5x - 5 = 5 \times 8 - 5 = 35$ years

88. (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.

89. (1) Let the cost price be Rs. x.

$\therefore$ 90% of 15000 = 108% of x

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

$\therefore x = $ Rs. 12500

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

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

and $2x + 2y = 48$

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

Putting this value in equation (i),

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

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

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

$\therefore$ CP of 1 pen = Rs. 20

91. (2) The word TOTAL has 5 letters in which T comes twice.

$\therefore$ Total number of arrangements

$= \dfrac{5!}{2!} = \dfrac{5 \times 4 \times 3 \times 2 \times 1}{2 \times 1} = 60$

92. (5) $\pi r^2 = 616 \Rightarrow \dfrac{22}{7} r^2 = 616$

$\Rightarrow r^2 = \dfrac{616 \times 7}{22} = 196$

$\therefore r = \sqrt{196} = 14$ cm

$\therefore$ Circumference of the circle

$= 2\pi r = 2 \times \dfrac{22}{7} \times 14 = 88$cm

93. (2)

(B+C)'s 1 day's work $= \dfrac{1}{8}$ ....(i)

(A+B)'s 1 day's work $= \dfrac{1}{12}$ ....(ii)

(A+C)'s 1 day's work $= \dfrac{1}{16}$ ....(iii)

On adding all these three equations,

2 (A + B + C)'s 1 day's work

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

$\Rightarrow$ (A + B + C)'s 1 day's work $= \dfrac{13}{96}$

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

94. (3) Interest is compounded half yearly.

$\therefore$ R = 20% p.a. = 10%/half year

T = 2 years = 4 half years

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

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

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

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

$= 10000 \times \dfrac{221}{100} \times \dfrac{21}{100} = $ Rs. 4641

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

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

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

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

$\Rightarrow \dfrac{10x + 15x + 18x}{10} = 86000$

$\Rightarrow 43x = 860000$

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

$\therefore$ C's income

$= $ Rs. $\left(\dfrac{9}{5} \times 20000\right) = $ Rs. 36000

96. (4) ? $= 8000 + 72 \times 50$
$= 8000 + 3600 = 11600$

97. (3) $? = (25)^2 - (16)^2$

$= (25 + 16)(25 - 16) = 41 \times 9 = 369$

98. (5) $? = 380 \times 12.25 - \dfrac{365}{15}$

$= 4655 - 24 = 4631 \approx 4630$

99. (3)

$? = \dfrac{25500 \times 180}{100} + \dfrac{29000 \times 50}{100}$

$= 45900 + 14500 = 60400$

100. (1) $? = 172 \times 15 \div 25$

$= \dfrac{172 \times 15}{25} = 103.2$

∴ Approximate answer = 105

101. (3) The data in statement I alone or in statement II alone are sufficient. We can find the ratio of profit sharing as ratio of amounts of investment can be determined

102. (5) Let the number be $10x + y$.

From statement I,

$x + y = 6$

Many such combinations are possible.

From statement II

$x = 2y$

Taking both the statement together,

∴ $3y = 6 \Rightarrow y = 2$ and hence $x = 4$

∴ Number = 42

103. (1) From statement I alone,

Principal = Rs. x, R = ?, S.I. = x

T = 10 years.

∴ $R = \dfrac{S.I. \times 100}{Principal \times Time}$

$= \dfrac{x \times 100}{x \times 10} = 10\%$

104. (4) Statement I I gives no conclusion.

From statement II,

(A + B)'s 1 day's work = $\dfrac{1}{12}$

A's 1 day's work is not known.

105. (5) From both the statements,

$\dfrac{5x + 4}{x + 4} = \dfrac{17}{5}$

$\Rightarrow 25x + 20 = 17x + 68$

$\Rightarrow 8x = 48 \Rightarrow x = 8$ ∴

Mother's present age = 5×8

= 40 years

106. (2) Average number of instruments manufactured by company C over the years

$= \left(\dfrac{48 + 52 + 50 + 45 + 55 + 47}{6}\right)$ lakhs

$= \dfrac{297}{6}$ lakhs = 4950000

107. (3) Number of instruments manufactured by all the companies in 2004

= (48 + 36 + 50 + 43 + 56 + 48) lakhs = 281 lakhs

∴ Required percentage

$= \dfrac{56}{281} \times 100 = 20$

108. (1) Total number of instruments manufactured over the years by :

Company A $\Rightarrow$ (45 + 40 + 48 + 49 + 46 + 52) lakhs = 280 lakhs

Company F $\Rightarrow$ (49 + 45 + 48 + 44 + 50 + 52) lakhs = 288 lakhs

Required percentage

$= \dfrac{280}{288} \times 100 \approx 97$

109. (4) Total number of instruments manufactured by company B over the years

= (35 + 32 + 36 + 37 + 30 + 38) lakhs = 208 lakhs

∴ Required percentage

$= \dfrac{37}{208} \times 100 \approx 18$

110. (1) Total number of instruments manufactured by all the companies in :

Year 2007 $\Rightarrow$ (52 + 38 + 47 + 40 + 51 + 52) lakhs

= 280 lakhs

Year 2006 $\Rightarrow$ (46 + 30 + 55 + 50 + 54 + 50) lakhs = 285 lakhs

∴ Required ratio = 280 : 285

= 56 : 57

111. (5) Total population of state B in all the years

= (50 + 40 + 60 + 70 + 80 + 90 + 100) lakhs = 490 lakhs

Population of state B in 2002

= 40 lakhs

∴ Required percentage

$= \dfrac{40}{490} \times 100 = 8.16$

112. (3) Required ratio

= (40 + 45 + 60) : (80 + 90 + 100)

= 145 : 270 = 29 : 54

113. (1) It is obvious from the graph.

114. (2) Percentage rise

$= \dfrac{70 - 60}{60} \times 100 = \dfrac{50}{3} = 16\dfrac{2}{3}$

115. (4) Average population of the state A

$= \left(\dfrac{40 + 45 + 60 + 50 + 70 + 65 + 80}{7}\right)$

lakhs $= \dfrac{410}{7}$ lakhs ≈ 58 lakhs

116. (1) Total number of employees in administration department

$= \dfrac{2500 \times 12}{100} = 300$

Number of male employees

$= \dfrac{7}{12} \times 300 = 175$

Total number of employees in printing department

$= \dfrac{2500 \times 6}{100} = 150$

Number of male employees

$= \dfrac{2}{3} \times 150 = 100$

∴ Required ratio = 175 : 100 = 7 : 4

117. (3) Required difference

= 2500 × (18 − 14)%

$= \dfrac{2500 \times 4}{100} = 100$

118. (4) Total number of employees in HR department

$= \dfrac{2500 \times 16}{100} = 400$

∴ Number of males

$= \dfrac{5}{8} \times 400 = 250$

and number of females

= 400 − 250 = 150

Number of employees in marketing department

$= \dfrac{2500 \times 15}{100} = 375$

Number of males

$= \dfrac{7}{15} \times 375 = 175$

Number of females

= 375 − 175 = 200 .

∴ Required ratio

= (250 + 175) : (150 + 200)
= 425 : 350 = 17 : 14

120. (2) Total number of employees in logistics department

$$= \frac{2500 \times 11}{100} = 275$$

Number of males

$$= \frac{6}{11} \times 275 = 150$$

Number of females
= 275 − 150 = 125

∴ Required difference
= 150 − 125 = 25

121. (3) Average percentage

$$= \frac{82 + 74 + 92 + 84 + 66 + 64}{6}$$

$$= \frac{462}{6} = 77\%$$

∴ Required average $= \frac{50 \times 77}{100}$

= 38.5

122. (5) Marks obtained by E in all the subjects

= 36 + 33 + 82

$$+ \frac{75 \times 87}{100} + 62 + \frac{78 \times 120}{100}$$

= 151 + 65.25 + 62 + 93.60
= 371.85

∴ Required percentage

$$= \frac{62}{371.85} \times 100 \approx 17$$

123. (2) Overall percentage in English

$$= \frac{66 + 84 + 72 + 60 + 78 + 54}{6}$$

$$= \frac{414}{6} = 69$$

124. (4) Marks obtained by D in :
History ⇒ 38
Maths ⇒ 83

Science $\Rightarrow \frac{75 \times 81}{100} = 60.75$

English $\Rightarrow \frac{120 \times 60}{100} = 72$

∴ Total marks
= 38 + 83 + 60.75 + 72 = 253.75

125. (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

185. (5) The meaning of the word **Shrewdly (Adverb)** as used in the passage is : understanding and making judgements about a situation cleverly; astutely; showing good judgement.
Hence, the words **shrewdly** and **astutely** are synonymous.

186. (1) The meaning of the word **Chase (Verb)** as used in the passage is : to run after somebody/something in order to catch them; to try to obtain or achieve something.
Look at the sentence :
Too many men are chasing too few jobs nowadays.
Hence, the words **chase** and **follow** are synonymous.

187. (3) The meaning of the word **Elusive (Adjective)** as used in the passage is : difficult to find, define or achieve; unachievable
Look at the sentence :
A solution to the problem of toxic waste is proving elusive.
Hence, the words **elusive** and **unachievable** are synonymous.

188. (4) The meaning of the word **Dejected (Adjective)** as used in the passage is : unhappy and disappointed; despondent.
Look at the sentence :
He looked so dejected when he lost the game.
Of the given alternatives, the word **Elated (Adjective)** means : very happy and excited because of something good that has happened.
Look at the sentence :
They were elated at the result.
Hence, the words **dejected** and **elated** are antonymous.

189. (2) The meaning of the word **Unbridled (Adjective)** as used in the passage is : not controlled and therefore extreme.
Hence, the words **unbridled** and **controlled** are antonymous.

190. (5) The meaning of the word **Momentary (Adjective)** as used in the passage is : lasting for a very short time; brief.
Of the given alternatives, the word **Perpetual (Adjective)** means : continuing for a long period of time without interruption; continuous.
Look at the sentence :
We lived for years in a perpetual state of fear.
Hence, the words **momentary** and **perpetual** are antonymous.

191. (4) Here the subject 'the private credit market' is in Singular Number that will take Singular Verb.
Hence, 'weakens power of monetary policy' should be used.

192. (3) It is unwise to use double superlatives.
Hence, 'the most noisy campaigns' should be used.

193. (3) The sentence shows past time. Hence, use Simple Past here i.e. 'the firm managed through a difficult period'.

194. (4) Here the Verb will agree according to the Number of the word 'emission'. Hence, 'remains a cause of worry' should be used.

195. (2) It will be proper to use the Positive Degree.
Hence, The rate of metabolism of a body is comparatively low ..... will be correct sentence.

196. (3) Group of words 'with the voters by pressing' should be replaced by 'among the voters by pressing'.

197. (4) Replace 'on strike since tomorrow' by 'on strike from tomorrow'. Preposition 'since' is used to show a time in the past until a later past time or until now.
Look at the sentence :
He has been working in a bank since leaving school.

198. (3) Replace 'rate for unemployment' by 'rate of unemployment'.

199. (2) There is an Article related error. Here, 'a lying' should be used as '1' sounds as a consonant.

200. (4) Replace 'among with the academic skills' by 'along with the academic skills.

202. (3) Here the subject 'The relationship' is in Singular Number.

204. (1) Here the subject 'A nuclear testing' is Singular.   ❑❑❑