IBPS Common Written Exam Clerk, Sitting -1

Test -1: Reasoning Ability

1. The positions of how many digits in the number 523169 will remain unchanged if the digits within the number are written in ascending order from left to right?
   1)One   2) Two   3) Three   4) Four   5) More than four

2. In a certain code, 'BUILD'is written as '5#31@' and 'LIKES' is written as '13©*8'. How is 'SKID' written in that code?
   1)8©*@   2)8@3©   3) 8©3@   4) 83©@   5) None of these

3. How many such pairs of letters are there in the word 'DAREDEVIL' each of which has as many letters between them in the word as in the English alphabetical series? (In both forward and backward directions)
   1) None   2) One   3) Two   4) Three   5) More than three

4. If it is possible to make only one meaningful English word with the second, the third, the seventh and the eighth letter of the word STEADFAST, which of the following will be the second letter of that word? If no such word can be formed, give 'X' as the answer and if more than one such word can be formed, give 'Y' as the answer.
   1)E   2) A   3)T   4)X   5)Y

5. In a certain code, 'TASK' is written as 'BUJR' and 'BIND' is written as 'JCCM'. How is 'SUIT' written in that code?
   1) VTSH   2)VSTH   3)TRUJ   4)TRJU   5) None of these

Directions (Q. 6-10): In the following questions, the symbols S, *, $, @ and © are used with the following meaning as illustrated below.
   'P $ Q' means 'Pis neither smaller nor greater than Q'.
   'P δ Q' means 'P is not smaller than Q'.
   'P © Q' means 'P is either smaller or equal to Q'.
   'P * Q' means 'P is smaller than Q'.
   'P @ Q' means 'P is neither smaller nor equal to 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.
   2) if only conclusion II is true.
   3) if either conclusion I or II is true.
   4) if neither conclusion I nor II is true.
   5) if both conclusions I and II are true.

6. **Statements**: W$F, F δ R, R*M
   Conclusions: I.R*W   II. R $ W
7. **Statements:** V δ T, T @ N, N$J
   Conclusions: I.J*T   **II.N*V**
8. **Statements:** K©R, R8M, M*F
   Conclusions: I. F @ R   **II. K * M**
9. **Statements:** B@J, J*H, H © N
   Conclusions: I. N @ J   II.N @ B
10. **Statements:** T*K, K©M, M8D
    Conclusions: I.D   K   **II.** M@T

Directions (Q.11-15): Study the following arrangement of numbers, letters and symbols carefully and answer the questions given below:

R 4 $ M E 7 T # A 2 J @ U K 9 P I % 1 8 Q W 3 5 Z 5 * N 6 F © V G

11. Which of the following should come in place of question mark (?) in the following series based on the elements in the above arrangement?
    M $ 7   A # J   K U P ?
    1) 1 % W   2) 1 I Q   3) 1 I W   4) 1 % Q   5) None of these

12. How many such symbols are there in the above arrangement, each of which is immediately preceded by a consonant and also immediately followed by a vowel?
    1) None   2) One   3) Two   4) Three   5) Four

13. How many such numbers are there in the above arrangement, each of which is immediately followed by a consonant but not immediately preceded by a letter?
    l)None   2) One   3) Two   4) Three   5) More than three

14. If the positions of twenty five elements from the right end are reversed, which of the following will be the sixteenth element from the left end?
    1)Z   2)P   3) W   4) Q   5) None of these

15. Which of the following is eighth to the left of the twenty- third clement from the left end of the above arrangement?
    1)9   2)1   3)$ 4)©   5) None of these

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

P, Q, A, B, D, R and F are sitting around a circular table, facing the centre. R is not second to the left of D and D is not an immediate neighbour of B. A is third to the right of F. B is second to the left of F. Q is not an immediate neighbour of either B or F.

16. Who is second to the right of P?
    1)R   2)Q   3)D   4) A   5) Data inadequate

17. Who is on the immediate left of F?
    1)R   2)P   3)D   4) Data inadequate   5) None of these

18. Who is on the immediate right of D?
    1) Q   2) A   3) F   4)P   5) None of these

19. What is D's position with respect to B? -
    1) Second to the right   2) Third to the left   3) Second to the left
    4) Fourth to the right   5) Third to the right

20. Who is on the immediate right of Q?
    1)D   2)R   3) A   4)B   5) None of these

Directions(Q.21-25): Each of the questions below consists of a question and two statements numbered I and II 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.
    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.
    3) if the data either in statement I alone or in statement II alone are sufficient to answer the question.
    4) if the data given in both the statements I and II together are not sufficient to answer the question.
    5) if the data in both the statements I and II together are necessary to answer the question.

21. Who among P, Q, R, S and T, each of a different age, is definitely the youngest?
    I. R is younger than only T and P.
    II. Q is younger than T but not the youngest.

22. Towards which direction was Q facing after he stopped walking?
    I. Q walked 30 metres towards West, took a left turn and walked 20 metres. He again took a left turn and stopped after walking 30 metres.
    II. Q walked 30 metres towards East, took a right turn and walked 20 metres. Then he took a left turn and stopped after walking 30 metres.

23. How is 'always' written in a code language?
    I. 'rain is always good' is written as '5397' in that code language.
    II. 'he is always there' is written as '3 6 8 5' in that code language.

24. How is M related to D?
    I. M has only one son and two daughters.
    II. D's brother is the son of M's wife.

25. On which date of April is definitely Pravin's mother's birthday?
   I. Pravin correctly remembers that his mother's birthday is after fourteenth but before nineteenth of April.
   II. Pravin's sister correctly remembers that their mother's birthday is after sixteenth but before twenty-first of April.

Directions (Q.26-30): Study the following information carefully and answer the questions given below.

Following are the conditions for selecting a Marketing Manager in an organisation. The candidate must

1) be at least 25 years and not more than 35 years old as on 1.12.2011.
2) be a graduate in any discipline with at least 55% aggregate marks.
3) have completed postgraduate degree/diploma in Management with specialisation in Marketing Management with at least 60% marks.
4) have post-qualification work experience of at least 5 years as Assistant Marketing Manager in an organisation.

In the case of a candidate who fulfils all the conditions except

a) (ii) above, but has scored at least 50% in graduation and at least 65% in postgraduate degree/diploma in Management with specialisation in Marketing Management, his/her case is to be referred to the Head-Marketing.
b) (i) above, but is not more than 40 years old and has work experience of eight years as Assistant Marketing Manager, his/her case is to be referred to the Managing Director.

In each question below, details of one candidate are provided. You have to take one of the following courses of action based on the conditions and sub-conditions given above and the information provided in each question and mark the number of that course of action as your answer. You are not to assume anything other than the information provided in each question. All these cases are given to you as on 1.12.2011. Give answer

1) if the data provided are inadequate to take a decision.
2) if the candidate is not to be selected.
3) if the candidate is to be selected.
4) if the case is to be referred to the Head-Marketing.
5) if the case is to be referred to the Managing Director. Now, read the information provided in each question and mark your answer accordingly.

26. Megha Gosavi was born on 8th March 1982. She has been working as Assistant Marketing Manager in an organisation for the past six years after completing her postgraduate degree in Management with specialisation in Marketing Management With 70% marks. She has scored 53% marks in B. Com.

27. Mihir Sengupta was born on 24th July 1980. He has been working as Assistant Marketing Manager in an organisation for the past seven years after completing his postgraduate diploma in Marketing Management with 60% marks. He has scored 54% marks in graduation.

28. Arup Pathak has scored 59% marks in graduation and has been working as Assistant Marketing Manager in an organisation for the past seven years after completing his postgraduate diploma in Management with

specialisation in Marketing Management. He was born on 15 th February 1981.

29. Manish Agrawal was born on 2nd January 1978. He has scored 58% marks in B. Sc and 65% marks in postgraduate degree in Marketing Management. He has been working as Assistant Marketing Manager in an organisation for the past six years after completing his postgraduation.

30. Nilima Patkar has scored 60% marks in graduation. She has been working as Assistant Marketing Manager in an organisation for the past nine years after completing her postgraduate degree in Marketing Management with 65% marks. She was born on 18th August 1972.

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

P, Q, R, S, T, V and W study in Std IV, V and VI with at least two in any of these standards. Each one of them has a favourite (likes) colour, viz black, red, yellow, green, white, blue and pink, not necessarily in the same order.

Q likes yellow and does not study in Std VI. The one who likes black studies in the same Std as T. R likes blue and studies in the same Standard as W. S studies in Std V only with the one who likes pink. W does not study either in Std V or VI. V does not like black. W does not like either green or white. S does not like green. T does not like pink.

31. Who likes white?
   1)P   2) W   3)S   4)V   5) None of these

32. Which of the following combinations is correct?
   1)P Black V   2) S-White-IV   3)Q-Red-IV   4) R Blue-IV
   5) All are correct

33. What is P's favourite colour?
   l)Red   2) Black   3) White   4) Either Black or White
   5) None of these

34. Which of the following students study in Std IV?
   1)QR   2) QW   3)QRS   4)QRW   5) None of these

35. Who likes red?
   1)W   2)S   3)P   4) Data inadequate
   5) None of these

Directions (Q. 36-40): In each question below are given two statements followed by two conclusions numbered I and II. You have to take the two given statements to be true even if they seem to be at variance with commonly known facts. Read both the statements 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.
   2) if only conclusion II follows.
   3) if either I or II follows.
   4) if neither I nor II follows.

36. **Statements:** All cards are sheets.
   All files are cards,

   Conclusions: I. All cards are files.
   II. All files are sheets.

37. **Statements:** Some questions are answers.
   All questions are issues.

   Conclusions: I. At least some answers are issues.
   II. Some answers are definitely not questions.

38. **Statements:** All roads are streets.
   No road is a highway.

   Conclusions: I. No highway is street.
   II. All streets are roads.

39. **Statements:** No book is a library.
   Some books are diaries.

   Conclusions: I. At least some libraries are diaries.
   II. No diary is a library.

40. **Statements:** No pin is a clip. All pins are fans.
   Conclusions: I. All fans are pins.
   II. No clip is a fan.

Directions (Q. 41-50):In each of the questions given below, which of the five answer figures on the right should come after the problem figures on the left, if the sequence were continued?
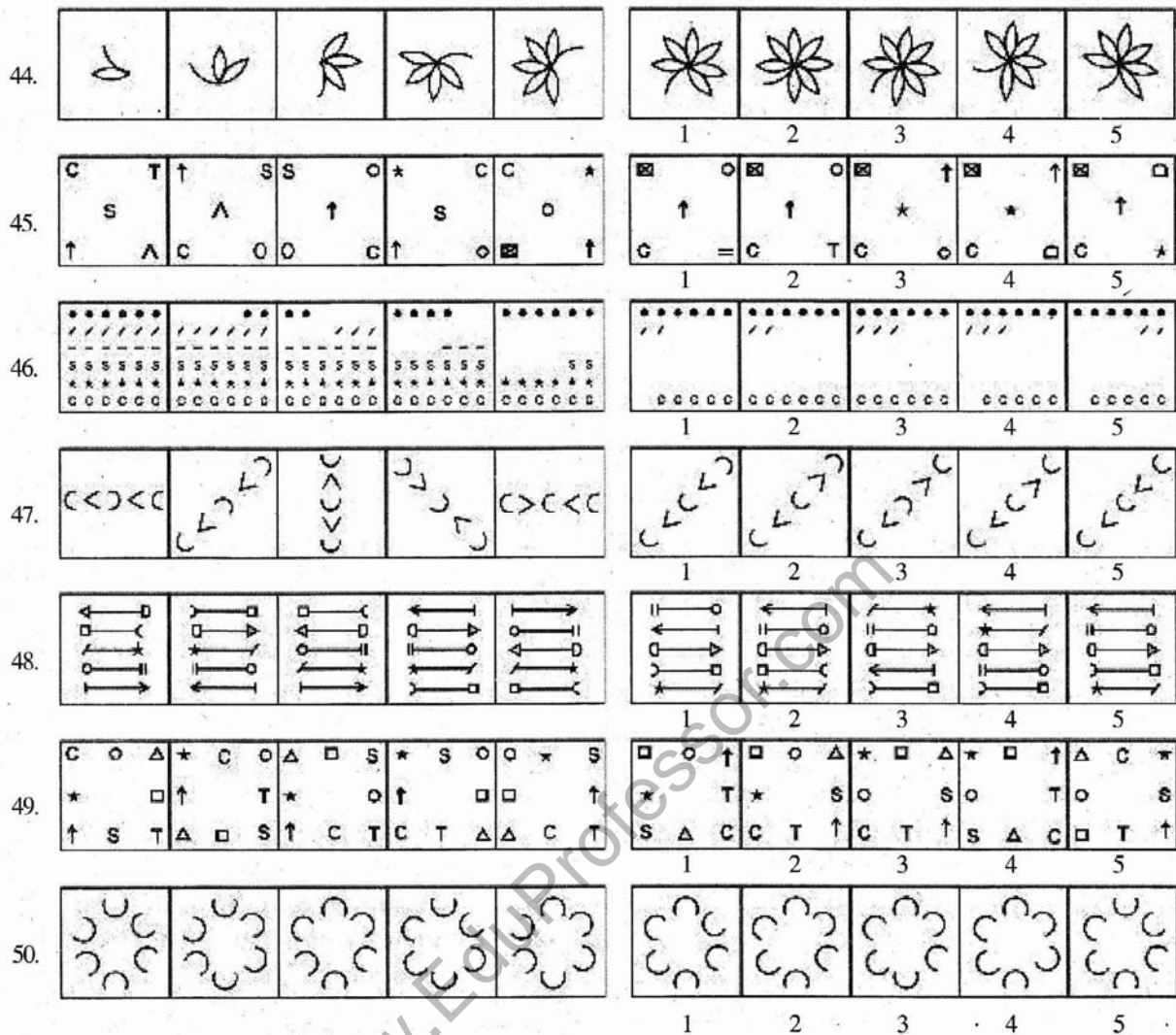
Test-II: English Language

Directions (Q, 51-65): Read the following passage to answer the given questions based on it. Some words/phrases are printed in bold to help you locate them while answering some of the questions.

India's manufacturing growth fell to its lowest in more than two years in September 2011, **reinforcing** fears that an extended period of high policy rates is hurting growth, according to a closely vatched index.

The HSBC India Purchasing Managers' Index (PMI), based on a survey of over 500 companies, fell to 50.4 from 52.6 in August and 53.6 in July. It was the lowest since March 2009, when the reading was below 50, indicating contraction. September's index also recorded the biggest one-month fall since November 2008.

The sub-index for new orders, which reflects future output, declined for the sixth successive month, while export orders fell for a third month on the back of weakness in global economy.

The Reserve Bank of India (RBI) last week indicated **it was not done yet** with monetary policy tightening as inflation was still high. The bank has already raised rates 12 times since March 2010 to **tame** inflation, which is at a 13-month high of 9.78%.

Economists expect the RBI to raise rates one more time but warn that targeted growth will be hard to achieve if the **slump** continues. "This (fall in PMI) was driven by weaker orders, with export orders still contracting due to the weaker global economic conditions," HSBC said in a press release quoting its chief economist for India & ASEAN.

PMI is considered a fairly good indicator of manufacturing activity the world over, but in the case of India, the large contribution of the unorganised sector **yields** a low correlation with industrial growth.

However, the Index for Industrial Production (IIP) has been showing a weakening tend, having slipped to a 21- month low of 3.3% in July. The core sector, which consists of eight infrastructure industries and has a combined weight of 37.9% in the IIP, also grew at only 3.5% in August.

The PMI data is in line with the suffering manufacturing activity in India as per other estimates. Producers are seeing that demand conditions are softening and the outlook is uncertain, therefore they are producing less.

Employment in the manufacturing sector declined for the second consecutive month, indicating it too was under pressure. This could be attributed to lower requirement of staff and rise in resignations as higher wage requests go unfulfilled, the HSBC statement said.

On the inflation front, input prices rose at an 11-month low rate, but despite signs of softening, they **still** remain at historically high levels.

While decelerating slightly, the readings for input and output prices suggest that inflation pressures remain firmly in place.

Most economists feel the RBI is close to the end of its rate hike cycle. Even the weekly Wholesale Price Index (WPI) estimates have started showing signs of softening, having fallen more than one percentage point.

51. The PMI is based on surveys of
    1) Individual Consumers   2) Companies   3) Countries
    4) Economists   5) Banks

52. Which year did PMI record the biggest one-month fall since 2008?
    1)2008   2)2009   3)2010
    4)2011   5) None of these

53. Which of the following explains the phrase, as used in the passage, "it was not done yet"?
    1) It is over now   2) There is no hope   3) There is still hope
    4) Rates will be further raised   5) PMI will further fall

54. Which of the following is indicated by the sub-index for new orders?
    1) Export orders   2) WPI   3) Inflation
    4) Output price   5) Future output

55. How many companies are included in PMI data from India?
    1) About 100   2) Less than 10   3) Between 100 to 300
    4) More than 500   5) More than 10,000

56. Which of the following is the prediction of economists about RBI's rate hike cycle, as per the passage?
     1) There will not be many rate hikes
     2) The rate reduction cycle will start soon.
     3) There will be many more rate hikes.
     4) Not indicated in the passage.
     5) None of these

57. Which of the following is not true about PMI data in India?
     1) It reflects decline in manufacturing.
     2) In September 2011, PMI was 50.4.
     3) Reduction is export orders affected PMI.
     4) Other related estimates support PMI data.
     5) PMI data is reported once in 3 months.

58. PMI is used
     1) Only in India
     2) World over
     3) Only in ASEAN countries
     4) Only in developed countries
     5) Only in developing countries

59. Which of the following is indicated as one of the reasons for the fall in PMI?
     1) Less number of orders were placed.
     2) Unorganised sector failed to give the required results.
     3) Industrial unrest reduced manufacturing.
     4) RBI has stopped raising the rates.
     5) WPI has shown signs of softening.

60. Which of the following is correct in the context of the passage?
     1) India's manufacturing growth was the lowest in 2010.
     2) PMI is not affected by high policy rates.
     3) Employment in manufacturing sector was also affected adversely.
     4) The input prices were lowest in 2011 as compared to earlier years.
     5) HP was 37.9% in August.

Directions (Q. 61-63): Choose the word(s) which is most nearly the same in meaning to the word printed in hold, as used in the passage.

61. **yields**
     1) relents   2) submits   3) produces   4) reduces   5) withstands

62. **tame**
     1) increase   2) timid   3) study   4) control   5) understand

63. **still**
     1) silent   2) now as before   3) nevertheless   4) quiet   5) in spite of

Directions (Q. 64-65): Choose the word(s) which is most opposite in meaning of the word printed in bold, as used in the passage.

64. **reinforcing**

1) contradicting   2) wishing   3) jolting   4) forcing   5) re-inventing

65. **slump**

1) output   2) rise   3) slide   4) slack   5) input

Directions (Q. 66-70): In each question below a sentence with four words printed in bold type is given. These are numbered as 1), 2), 3) and 4). One of these four words printed in bold may be either wrongly spelt or inappropriate in the context of the sentence. Find out the word, which is wrongly spelt or inappropriate, if any. The number of that word is your answer. If all the words printed in bold are correctly spelt and also appropriate in the context of the sentence, mark 5) ie, 'All Correct', as your answer.

66. Another **advantage** is that **technology** can be **quickly**

    1)   2)   3)

   adapted to the client's needs. All correct

   4)   5)

67. It freed me to **enter** one of the **most creatively periods** of

    1)   2)   3)   4)

   my life. Ail correct

        5)

68. About 4,500 **private** and 2000 government **hospitols** are

              1)   2)

   empanelled under the **scheme**. All correct

    3)   4)   5)

69. More **often then** not we feel **concerned** with the

        1)   2)   3)

   development **around** us. All correct

        4)   5)

70. **Software makers in India are facing a huge presure.**

   1)   2)   3)   4)

   All correct

   5)

Directions (Q. 71-75): In each of these questions, two sentences (I) and (II) are given. Each sentence has a blank in it Five words 1), 2), 3), 4) and 5) are suggested. Out of these, only one fits at both the places in the context of each sentence. The number of that word is the answer.

71. **I.** The truck stopped_____.

   II. We take a _walk every day.

   1) suddenly   2) long   3) short   4) distant   5) near

72. **I.** I got the grains _____ in the machine.
    II. I do not have any _____ for doubting him.
    l) done   2) basis   3) ground   4) crushed   5) tune

73. **I.** We were asked to design a_____ of the dam.
    II. This Institute is a _____ of modern thinking.
    1) picture   2) type   3) function   4) fabric   5) model

74. **I.** Keep a _____ grip on the railing.
    II. He was _____ asleep.
    1) fast   2) firm   3) deep   4) strong   5) sure

75. **I.** He asked me to _____ over the fence.
    II. We should keep the valuables in the _____ .
    1) vault   2) cross   3) safe   4) tie   5) locker

Directions (Q. 76-80): 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 answer.

76. **Most of time** strangers have helped in critical situations.
    1) Many a time   2) At time 3) More of time   4) At odd period
    5) No correction required

77. The reality is **that India needs** a strong, efficient and competitive aviation sector.
    1) what India needs   2) that India need   3) therefore India need
    4) needs India   5) No correction required

78. I have known this industry **since the last two decades.**
    1) since last two decade
    2) ever since the last two decades
    3) for the last two decades
    4) from the last two decades
    5) No correction required

79. Today's children have **far most knowledge** and far less patience compared to our generation.
    1) much most knowledge   2) far most knowledgeable
    3) by far higher knowledge   4) far more knowledge
    5) No correction required

80. Of late, Bonsai trees have attracted the attention of **one and all.**
    1) some and all   2) many and all   3) everyone and all
    4) none and all   5) No correction required

Directions (Q. 81-90): Read each sentence to find out whether there is any grammatical mistake/error in it. The error if any, will be in one part of the sentence. Mark the number of the part with error as your answer. If there is no error, mark 5).

81. 1) All companies must / 2) send its annual report to / 3) its shareholders twenty-one days / 4) before the Annual General Body Meeting. / 5) No error

82. 1) To be an effective manager / 2) it is vital to / 3) know the goals and vision / 4) of your organisation. / 5) No error

83. 1) His aim is / 2) provided cheap and / 3) reliable internet facilities / 4) to every village within five years. / 5) No error

84. 1) Bank notes have / 2) many special features so / 3) that bank staff can / 4) easier identify fake notes. / 5) No error

85. 1) According to the Census Bureau, / 2) India will have / 3) a more population / 4) than China by 2025. / 5) No error

86. 1) The state government has / 2) issued licences to farmers / 3) allowing them to sell / 4) its vegetables to hotels. / 5) No error

87. 1) Many people decide / 2) not to buy a car / 3) last Diwali because of / 4) the high price of petrol last year. / 5) No error

88. 1) We plan to / 2) sell part of our / 3) business therefore we have / 4) to repay a loan. / 5) No error

89. 1) The Reserve Bank of India is / 2) the only central bank in / 3) Asia which have / 4) raised interest rates in September. / 5) No error

90. 1) Under this scheme / 2) insurance companies will reimburse / 3) any expenditure on medicines / 4) if you submitting the original bills. / 5) No error

Directions (Q. 91-100): In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

Today experts all over the world are of the opinion that agriculture will affect the future of the world.

The world has a serious food **(91)** and the only way to solve **(92)** is if more people take up **(93)**. Moreover since the 1980s, technology and finance jobs **(94)** been the basis of America's economy. **(95),** in recent times, farmers' incomes have risen **(96).** It has also been a long time **(97)** farming was a major source of employment, but data **(98)** that unemployment in America is **(99)** in states where farming is the **(100)** occupation.

As the demand for food is rising - what the world needs today is more fanners.

| 91. | 1) trouble | 2) problem | 3) doubt |
| | 4) discussior | 5) production | |

| 92. | l) how | 2) usually | 3) it |
| | 4) these | 5) which | |

93.   1) farming   2) time   3) matter
       4) offer   5) job

94.   1) also   2) has   3) not
       4) have   5) were

95.   1) However   2) Instead   3) Despite
       4) Again   5) Still

96.   1) much   2) up   3) above
       4) sharply   5) highly

97.   1) when   2) since   3) while
       4) as   5) after

98.   1) collected   2) informs   3) calculate
       4) analysed   5) show

99.   1) lowest   2) smaller   3) decreased
       4) important   5) not

100.   1). mostly   2) best   3) suitable
       4) superior   5) main

Test – III: Quantitative Aptitude

Directions (Q.101-115): what should come in place of question mark (?) in the following question?

101. $6.2 \times 5.5 \times 4.5 = ?$

  1) 154.35   2) 145.54   3) 155.54   4) 135.45   5) None of these

102. $2\frac{1}{7} - 3\frac{1}{14} + 2\frac{2}{7} = ?$

  1) $6\frac{5}{14}$ 2) $4\frac{5}{14}$ 3) $2\frac{3}{14}$ 4) $7\frac{11}{14}$ 5) None of these

103. $\frac{1}{5} \times \frac{5}{7} \div \frac{6}{7} = ?$

1) $\dfrac{1}{5}$ 2) $\dfrac{3}{5}$ 3) $\dfrac{1}{6}$ 4) $\dfrac{2}{7}$ 5) None of these

104. $2615 - 4361 + 2881 = ? \times 20$

    1) 65.75 2) 58. 75 3) 54.25 4) 64.25 5) None of these

105. $3.5 \times (48 \div 1.5) = ?$

    1) 111 2) 112 3) 121 4) 122 5) None of these

106. 16.8% of 705 = ?

    1) 116.88 2) 109.66 3) 118.44 4) 121.22 5) None of these

107. 13% of 190 + ? = 111

    1) 68.7 2) 93.3 3) 24.7 4) 71.3 5) None of these

108. $628.88 - 410.25 + 153.05 = ?$

    1) 371.68 2) 56.58 3) 317.68 4) 65.58 5) None of these

109. $\left(5 \times 5 \times 5 \times 5 \times 5 \times 5\right)^2 \times (5 \times 5 \times 5 \times 5)^8 \div (5 \times 5)^3 = (25)^?$

    1) 22 2) 13 3) 17 4) 19 5) None of these

110. $\sqrt{?} - 12 = \sqrt{1296}$

    1) $\sqrt{2304}$ 2) $(48)^2$ 3) $\sqrt{48}$ 4) None of these

111. $8282 + 2828 = ? \times 40$

    1) 277.75 2) 2257.75 3) 277.25 4) 257.25 5) None of these

112. 5% of 420 × ?% of 150 = 252

    1) 12 2) 5 3) 6 4) 8 5) None of these

113. $25 \div 0.5 - 0.5 = ?$

    1) 25 2) 0 3) 36.5 4) 49.5 5) None of these

114. $5 \times ? = 2862 \div 3$

    1) 4770 2) 195.4 3) 4077 4) 1706 5) None of these

115. $8080 \div 80 \div 8 = ?$

    1) 880 2) 12.625 30 808 4) 16.225 5) None of these

116. $9125 + 90 + 9 = ?$
    1) 27   2) 3   3) 7   4) 21   5) 11

117. $6666.009 - 585.999 - 79.989 = ?$
    1) 5000   2) 5500   3) 6500   4) 4500   5) 6000

118. $11.003 \times 10.998 + 111.01 = ?$
    1) 225   2) 195   3) 230   4) 270   5) 210

119. $(14.5)^2 = ?$
    1) 235   2) 190   3) 230   4) 270   5) 210

121.   2   26   286   ?   18018   90090   270270
    1)3088   2)2667   3)3862   4)2574   5) None of these

122.   358   356   352   344   328   296   ?
    1)232   2)247   3)225   4)255   5) None of these

123.   8   ?   30   105   472.5   2598.75   16891.875
    1)24   2)10   3)12   4)16   5) None of these

124.   34   ?   21   85   110   326
    1)7   2)10   3)12   4)14   5) None of these

125.   50000   10000   2500   500   125   ?   6.25
    1) 75   2) 25   3) 50   4) 31.5   5) None of these

126. Six women and 10 children together take six days to complete a piece of work. How many days will 10 children take to complete that piece of work if six women together can complete the same piece of work in 10 days?
    1)21   2)18   3)12   4)15   5) None of these

127. The ratio of the monthly incomes of Sneha, Tina and Akruti is 95:110:116. If Sneha's annual income is Rs. 3,42,000. what is Akruti's annual income?
    1) Rs. 3,96,900   2) Rs. 5,63,500   3) Rs. 4,17,600   4) Rs. 3,88,000
    5) None of these

128. Meghna covered 3.36 km in four weeks by walking an equal distance each day. How many metres does she walk each day?
    1) 100m   2) 60m   3) 140m   4) 120m
    5) None of these

129. The average of four consecutive even numbers A, B, C and D is 37. What is the product of A and C?
1)1520   2)1368   3)1292   4)1224   5) None of these

130. The product of 5% of a positive number and 2% of the same number is 211.6. What is half of that number?
1)230   2)460   3)920   4)115   5) None of these

131. Find the missing number if the average of all the[1] eight numbers is 474.
533,128,429,225, ..., 305,601,804
1)767   2)781   3)776   4)758   5) None of these

132. The perimeter of a square is twice the perimeter of a rectangle. If the perimeter of the square is 56 cm and the length of the rectangle is 9 cm, what is the difference between the breadth of the rectangle and the side of the square?
1) 7 cm   2) 9 cm   3) 11 cm   4) 5 cm   5) None of these

133. A truck covers a distance of 256 km at the speed of 32 kmh[1]. What is the average speed of a car which travels a distance of 160 km more than the truck in the same time?
1)46 kmh-[1]   2) 52 kmh-[1]   3) 49 kmh-[1]   4) 64 kmh-[1]   5) None of these

134. Sushil scored 103 marks in Hindi, 111 marks in Science, 98 marks in Sanskrit, 110 marks in Maths and 88 marks in English. If the maximum marks of each subject are equal and if Sushil scored 85 percent marks in all the subjects together, find the maximum marks of each subject.
1) 110   2) 120   3) 115   4) 100   5) None of these

135. A man riding a bicycle completes one lap of a square field along its perimeter at the speed of 39.6 kmh[1] in 1 minute 20 seconds. What is the area of the field?
1) 52900 sqm   2)44100sqm   3)48400sqm   4) Cannot be determined
5) None of these

136. At present, Tarun is twice the age of Vishal and half the age of Tanvi. After four years, Tarun will be 1.5 times Vishal's age and Tanvi will be 2.5 times of Vishal's age. What is Tanvi's present age?
1)12 years   2) 8 years   3) 20 years   4) 16 years   5) None of these

137. The difference between the compound interest and the simple interest accrued on an amount at the end of three years at the rate of 15% is Rs. 453.6. What is the amount?
1)Rs. 4,500   2)Rs.6,400   3)?7,200   4) Rs. 8000   5) None of these

138. Pankaj, Sanjay and Pratima start running around a circular stadium and complete one round in 12 sec, 8 sec and 15 sec respectively. After what time will they meet again at the starting point?
1)3min30sec   2)One min   3)Three min   4) Two min   5) None of these

139. On Teachers' Day, 3200 sweets were to be equally distributed among a certain number of children. But on that particular day 80 children remained absent and hence each child got two sweets extra. How many children were originally supposed to be there?
1)320   2)500   3)540   4)400
5) Cannot be determined

140. What will come in place of both question marks (?) in the following question?

$$\frac{(?)^{1.6}}{96} = \frac{24}{(?)^{0.4}}$$

    1)58   2)-38   3)46   4)36   5)-48

141. The area of a circle is equal to the area of a rectangle with perimeter equal to 35 m and breadth equal to 5.5 m. What is the area of the circle?
   1)88 sqm   2)72sqm   3)66sqm   4) 54 sq m   5) None of these

142. In an examination, the maximum aggregate marks is 1020. In order to pass the exam a student is required to obtain 663 marks out of the aggregate marks. Shreya obtained 612 marks. By what per cent did Shreya fail the exam?
   1)5%   2)8%   3)7%   4) Cannot be determined
   5) None of these

143. Sujit incurred a loss of 45 per cent on selling an article for Rs. 3,740. What was the cost price of the article?
   1) Rs. 5,725   2)Rs. 5,080   3) Rs.6,250   4)Rs. 6,400   5) None of these

144. In how many different ways can the letters of the word 'VIRTUAL' be arranged among themselves?
   1)840   2)5040   3)2520   4)1680   5) None of these

145. A 480-metre-long train crosses a platform in 140 seconds. What is the speed of the train?
   l)5m/s   2)7m/s   3)4.5m/s   4) Cannot be determined
   5) None of these

146. The compound interest accrued in two years on a principal amount of 6,250 is 616. What is the rate of interest pcpa?
   1)22%   2)16%   3)18%'   4) Cannot be determined
    5) None of these

147. The average height of 21 girls was recorded as 148 cm. When the teacher's height was included, the average of their heights increased by 1 cm. What was the height of the teacher?
   1) 156cm   2) 168cm   3) 170cm   4). 162 cm   5) None of these

148. What would be the area of a circle whose diameter is 35 cm?
   1)962.5 sq cm   2) 875.5 sq cm   3) 981.5 sq cm   4) 886.5 sq cm 5) None of these

149. Mehul sold an item for Rs. 5,625 and incurred a loss of 25%. At what price should he have sold the item to gain a profit of 25%?
   1)Rs. 9,375   2)Rs. 10,500   3)Rs. 8,250   4) Cannot be determined
   5) None of these

150. Out of the fractions $\frac{3}{5}$, $\frac{7}{9}$, $\frac{4}{7}$, $\frac{2}{3}$ and $\frac{5}{8}$, what is thed difference between the largest and the smallest frations?

1) $\frac{8}{63}$ 　　　　2) $\frac{19}{63}$ 　　　　3) $\frac{11}{63}$ 　　　　4) $\frac{17}{63}$

5) None of these

Test – IV: General Awareness
(with special Reference to Banking Industry)

151. Which of the following organisations/agencies has specifically been set up to boost overall rural development in India?
1) RBI　　　2) SIDBI　　　3)NABARD　　　4) SEBI　　　5)EXIM

152. Which of the following states has expressed its unhappiness over the agreement on sharing of Teesta water between India and Bangladesh? (The agreement was not signed because of the objection.)
l) Jharkhand 　　　　2) Assam 　　　3) Manipur 　　　4) Bihar
5) West Bengal

153. Banks in India are regulated under
1) Companies Act, 1956
2) Banking Regulation Act, 1949
3) Reserve Bank of India Act, 1934
4) Special powers conferred on the RBI
5) None of these

154. Which of the following countries is a major producer of Jute?
1) Pakistan 　　2) Afghanistan 　　　3) South Africa 　　　4) Bangladesh
5) Sri Lanka

155. Compilation of data on industrial production in India is done by which of the following agencies/organisations?
1) National Testing Lab
2) Reserve Bank of India
3) Census Commission of India
4) Planning Commission of India
5) Central Statistics Office

156. The President of India visited which of the following countries in July 2011 and held discussions with Lee Myung-bak, the President of the country?
1) South Korea 　2) Mongolia 　3) China 　　4) North Korea 　　　5) Thailand

157. India is providing financial help to which of the following countries for building a large harbour there named as Kankasanthurai Harbour?
1) Nepal   2) Myanmar   3) Bangladesh   4) Sri Lanka   5) Vietnam

158. A savings bank account opened with a commercial bank with zero or very minimal balance is known as
1) Savings Bank Ordinary Account
2) Student Savings Bank Account
3) No-Frill Account
4) Current Account
5) Call Deposit

159. What does the letter R denote in the abbreviation 'BR Act' which controls banking activities in the country?
1) Reformation   2) Regulation   3) Reporting   4) Resolution
5) Ranking

160. 'Base Rate' in banks is
1) the rate of interest payable on demand deposits

2) the rate of interest payable on fixed deposits

3) the rate of interest charged by the RBI on long-term borrowings of public sector banks

4) the minimum lending rate decided by the RBI which shall be adopted by all public sector banks

5) the minimum interest rate fixed by individual banks below which they cannot lend funds, except cases like govts-sponsored scheme

161. Banking sector falls under which of the following sectors?
1) Agricultural Sector   2) Service Sector   3) Manufacturing Sector
4) Industrial Sector   5) Small Scale Sector

162. The Govt of India has recently added which of the following currencies for allowing Indian companies to raise debts through external commercial borrowings?
1) Euro   2) Dinar   3) GB Pound   4) Yuan   5) Yen

163. A savings bank deposit account is one where
1) the deposits are made only once in a year
2) amounts are deposited and are withdrawn as per the requirement of the customers
3) periodical fixed amounts are deposited monthwise and withdrawals are allowed after a fixed period
4) the deposits are made once in every month
5) None of these

164. ASBA scheme is related to the purchase of
1) IPO   2) CP   3) CD   4) TCs   5) None of these

165. Who among the following is the *ex officio* chairman of the Rajya Sabha?
    l)PratibhaPatil   2) Mohammad HamidAnsari   3)Manmohan Singh
    4)MieraKumar   5) LK Advani

166. Which of the following states, at the instance of the Supreme Court of India, has decided to conduct electronic auction of iron-ore stocks to be allotted to iron and steel producers?
    1) Gujarat   2) Bihar   3) Madhya Pradesh   4)Uttar Pradesh   5)Karnataka

167. Mobile banking requires
    1) account with a bank with mobile phone linked to interbank mobile payment service
    2) account with mobile post office
    3) account with bank along with mobile phone linked to international mobile payment service
    4) account with bank and mobile phone linked to inter- State mobile payment service
    5) account with bank along with mobile phone linked to inter-district mobile payment service

168. Saina Nehwal is a famous player associated with which of the following games?
    1) Hockey   2) Badminton   3)Golf   4) Lawn Tennis
    5) Table Tennis

169. Who among the following is the prime minister of Japan at present?
    1) Yoshihiko Noda   2) Naoto Kan   3) Abe Shinza   4) Yasuo Fukuda
    5) None of these

170. Central Drug Research Institute is located in which of the following cities in India?
    1) Jamshedpur   2) New Delhi   3) Jaipur   4) Lucknow
    5) Dhanbad

171. Which of the following books has been written by the classic Russian author Maxim Gorky?
    1) As You Like it   2) Lolita   3) The Mother   4) War and Peace
    5)Alice in Wonderland

172. Summer Olympics of 2016 will be organised in
    1) China   2) India   3) Brazil   4) Russia
    5) South Africa

173. Which of the following terms is not used in the game of hockey?
    1) Bully   2) Follow-on   3) Penalty corner   4) Centre-pass
    5) Scoop

174. In a bank, which of the following are the usual types of accounts?
    1) Savings accounts, Electricity accounts and Insurance premium accounts
    2) Fixed deposits, Post office savings bank accounts and Current deposit accounts
    3) Current accounts, Savings bank accounts and Term deposit accounts
    4) Loan accounts, Savings bank accounts and Term deposit accounts
    5) Current bill accounts and Term deposit accounts

175. When a bank dishonours a cheque it is called
   1) settlement of the cheque.
   2) withdrawing of the cheque.
   3) nullifying of the cheque.
   4) truncating of the cheque.
   5) return of the unpaid cheque.

176. Which of the following banks has recently been merged with the State Bank of India?
   1) State Bank of Hyderabad
   2) State Bank of Indore
   3) State Bank of Saurashtra
   4) State Bank of Travancore
   5) None of these

177. Salva Mayardit has taken over as the first President of
   1) Republic of South Sudan   2) Vietnam   3) Myanmar
   4) Libya   5) Iraq

178. The most powerful tool used by the Reserve Bank of India to control inflation is to
   1) raise interest rates   2) reduce interest rates   3) raise currency supply
   4) reduce currency supply   5) raise interest rates and reduce currency supply

179. 'Sub Prime Lending', which was the root cause for global meltdown in banks during 2008, means
   1) bank finance for non-productive activities
   2) bank finance not properly disclosed in its Balance Sheet
   3) bank finance in violation of the directives of the central bank
   4) bank finance to fictitious entities
   5) bank finance which do not qualify for the best market interest rates

180. Which of the following represents female literacy rate in India?
   (As per provisional figures of census 2011)
   1) 60%   2) 62%   3) 65%   4) 70%   5) None of these

181. Crossing of cheques makes them
   1) invalid document
   2) ineligible to endorse to a person other than the payee
   3) remain the same in all respect; it is only a practice
   4) eligible for payment irrespective of sufficient balance in the account
   5) ineligible to get cash across the bank counter

182. NEFT and RTGS in banking terminology speak of
   1) various deposit products
   2) various loan products
   3) electronic payment products within a bank
   4) electronic fund transfer from bank to bank
   5) cheque truncation process

1) London   2) Paris   3) New York   4)   Tokyo
5) Washington DC

184. Which of the following schemes has been launched by the Govt of India for school children only?
1) Kutir Jyoti   2) Kishor Jeevan   3) Aadhaar   4)SEWA   5) Mid Day Meal

185. Which of the following days is observed as World Ozone Day?
1) 10th Aug   2) 16th Oct   3) 16th Sept   4) 10th Dec   5) 19th January

186. Whiich of the following awards is given by the govt of Madhya Pradesh for excellence in the field of classical music/dance etc?
1) Saraswati Samman
2) Kalidas Samman
3) Vyas Samman
4) Shanti Swarup Bhatnagar Award
5) Sahitya Akademi Award

187. The ownership of public sector banks rests
1) wholly with the Government of India
2) jointly with the Government of India and State Bank of India
3) wholly with the shareholders from public
4) jointly with the Government of India and Reserve Bank of India
5) jointly with the Government of India and the shareholders from the public

188. Which of the following cups/trophies is associated with Cricket?
1) Azlan Shah Cup   2) Davis Cup   3) Nehru Gold Cup   4) Ranji Trophy
5) Wimbledon Trophy

189. Which of the following is the currency of South Korea?
1) Yen   2) Kyat   3) Won   4) Rupee
5) Ringit

190. Who among the following is the Railway Minister of India?
1) Sharad Pawar   2) Virbhadra Singh   3)AmbikaSoni   4) Dinesh Trivedi
5) None of these

191. Who among the following was a famous scientist and is known as the 'Father of India's Nuclear Programme' ?
1) Dr Homi J Bhabha   2) Dr Satyendra Nath Bose   3) Dr Vikram Sarabhai
4) Dr Satish Dhawart   5)DrCVRaman

192. Which of the following awards was given to Dr Montek Singh Ahluwalia in 2011 by the Govt of India?
1) Padma Vibhushan   2) Padmashree   3) Bharat Ratna
4) Man of the Year

193. Which of the following awards has been given to Dr Harish Hande and Nileema Mishra recently?
1) Ramon Magsaysay   2) Booker Prize   3) Golden Pen Award
4) Mercy Ravi Award   5) Sangeet Natak Akademi Award

194. Which of the following pacts/agreements will allow Afghanistan to sell its goods in India without paying any tax?
1) S AFTA   2) Free Market Agreement   3)Most Favoured Nation Pact
4) Agreement for direct foreign investment
5) Agreement to help least developed countries

195. Non-Performing Assets are the assets which have stopped giving
1) losses to a bank
2) capital to a bank
3) income to a bank
4) income and expenses to a bank
5) expenses to a bank

196. Which of the following banks in India has maximum number of branches and ATMs in India?
l) IDBI Bank   2) Bank of India   3) Punjab National Bank
4) ICICI Bank   5) State Bank of India

197. EFT stands for
1) Effective Funds Transfer
2) Efficient Funds Transfer
3) Easy Funds Transfer
4) Electronic Funds Transfer
5) Electric Funds Transfer

198. UNESCO is an organisation working in the field of
1) social welfare
2) protecting interest of prisoners of war
3) framing international laws
4) international collaboration through education, culture and science
5) protecting children's rights

199. If a cheque is postdated, the bank on which it is drawn
1) will not honour the cheque before the date of the cheque
2) has to honour the cheque before the date of the cheque
3) has the option to honour the cheque before the date of the cheque or not
4) has to refer to RBI to honour the cheque before the date of the cheque
5) has to refer to the court to honour the cheque before the date of the cheque "

200. Which of the following countries is a member of G 8?
l)Iran   2) Turkey   3) France   4) Brazil   5) China

Test – V: Computer Knowledge

201. Which of the following is not true about computer files?
   1) They are a collection of data saved in a storage medium.
   2) Every file has a filename.
   3) A file extension is established by the user to indicate the computer on which it was created.
   4) All files contain data.
   5) None of these

202. Which of the following is not an example of a hardware?
   1) Word   2) Printer   3) Monitor   4) Mouse   5) Scanner

203. Which of the following is a secondary memory device?
   1) Keyboard   2) Disk   3) ALU   4) Mouse   5) Printer

204. The result of a formula in a cell is called
   1) label   2) value   3) range   4) displayed value   5) None of these

205. Which of the following is not a storage medium?
   1) Hard disk   2) Flash drive   3) DVD   4)CD   5) Monitor

206. Choose the odd one out.
   1) Microcomputer   2) Minicomputer   3) Supercomputer   4) Notebook computer
   5) Digital computer

207. The ALU performs _operations.
   1) logic   2)ASCH   3) algorithm-based   4)logarithm-based
   5) final

208. _____is the part of the computer that does arithmetical calculations.
   1)OS   2) ALU   3) CPU   4) Memory   5) printe

209. In a sequence of events that take place in an instruction cycle, the first cycle is called
   1) store cycle   2) execute cycle   3) fetch cycle   4) decode cycle
   5) code cycle

210. Peripheral devices such as printers and plotters are considered to be
   1) hardware   2) software   3) data   4) information   5) None of these

211. Which of the following Excel charts represents only one value for each variable?
   1) Function   2) Line   3) Pie   4) Bar   5) None of these

212. To see the document before the printout is taken, use

1) Insert Table   2) Paste   3) Format Painter   4)Cut
5) Print Preview

213. ALU works on the instructions and data held in the
1) Notebook   2) Registers   3) Copy Pad   4) I/O devices
5) None of these

214. To move data from one part of the document to another, which of the following is used?
1) Cut and Paste   2) Copy and Paste   3) Cut and Delete   4) Copy and Undo
5) Cut and Insert

215. Which of the following is the another name for a preprogrammed formula in Excel?
1) Range   2) Graph   3) Function   4)Cell   5) None of these

216. To save a document for the first time, _____ option is used.
1) Save as   2) Save first   3) Save on   4) Copy   5) Paste

217. What is a device that can change images into codes for the computer?
1) Mouse   2) Printer   3) Joystick   4) Keyboard   5) Scanner

218. Which of the following are the two basic types of graphics used in Word 2000?
1) Autoshapes and Clip Art   2) Header and Footer
3) Drawing Objects and Pictures   4) Spelling and Grammar
5) Word Count

219. The user can use _____ commands to search for and correct words in a document.
1) Print and Print Preview   2) Header and Footer   3) Find and Replace
4) Spelling and Grammar   5) Copy and Paste

220. What is the advantage of using basic HTML to create a document?
1) HTML is very easy to use.
2) The document can be displayed by all word processors.
3) The document can be displayed by all programs.
4) The document can be displayed by all browsers.
5) None of these
6)

221. Which of the following functions is not performed by the CPU?
1) Graphical display of data
2) Arithmetic calculations
3) Managing memory
4) Managing input and output   5) None of these

222. Which of the following is the feature that keeps track of the right margin?
1) Find and replace   2) Wordwrap   3) Right justified   4) Left justified
5) Ragged right

223. Keyboard shortcuts are used to move the
    1) I-beam   2) insertion point   3) scrollbar   4) mouse   5) None of these

224. To specify margins in Word, the user has to select Page Setup option from the menu.
    1) Edit   2) Table   3) Autocorrect   4) File   5) Format

225. What is the package called which helps create, manipulate and analyse data arranged in rows and columns?
    1) Application package   2) Word processing package   3) Outlining package
    4) Outline processors   5) Spreadsheet package

226. What does an electronic spreadsheet consists of ?
    1) Rows   2) Columns   3) Cells   4) All the above   5) None of these

227. ROM is an example of which of the following?
    1) Volatile memory   2) Cache memory   3) Non-volatile memory   4) Virtual memory
    5) None of these

228. Which of the following options is used to display information such as title, page number of the document?
    1) Insert Table   2) Autocorrect   3) Thesaurus
    4) Spelling and Grammar   5) Header and Footer

229. Which part of the computer can display the user's work?
    1) Mouse   2) Keyboard   3) Disk Drive   4) Monitor
    5) None of these

230. When a computer prints a report, this output is called
    1) Program   2) Soft copy   3) Hard copy   4) Execution
    5) None of these

231. The processor is a ____ chip plugged onto the motherboard in a computer system.
    1) LSI   2) VLSI   3) ULSI   4) XLSI   5) WLSI

232. A register that keeps track of the next instruction to be executed is called a/an
    1) Data Register   2) Instruction Register   3) Action Register   4) Program Counter
    5) Accumulator

233. The microprocessor of a computer
    1) does not understand machine language.
    2) understands machine language and high-level languages.
    3) understands only machine language.
    4) understands only high-level languages.
    5) understands only assembly language.

234. A set of choices on the screen is called a(n)

1) menu   2) reverse video   3) action plan   4) editor   5) template

235. What is the full form of PROM?
   1) Programmable Read Only Memory
   2) Progressive Read Only Memory
   3) Periodic Read Only Memory
   4) Perfect Read Only Memory
   5) Program Read-Only Memory

236. Which of the following will be used if the (sender of an e- mail wants to bold, itlalicise etc the text message?
   1) Reach Signature   2) Reach Text   3) Reach Format   4) Plain Format
   5) Plain Text

237. Which of the following terms is not related to Internet?
   1) Link   2) Function key   3) Browser   4) Search engine   5) Hyperlink

238. Which of the following justifications align the text on both the sides—left and right—of the margin?
   1) Right   2) Justify   3) both Sides 4) Balanced   5) None of these

239. What is the full form of LSI?
   1) Low Scale Internet   2) Large Scale Internet   3) Low Scale Integration
   4) Large Scale integration   5) Local Scale Integration

240. To move the text from its original position to another position without deleting it is called
   1) Scrolling   2) Searching   3) Moving   4) Copying   5) Halting

241. Which of the following is an active cell in Excel?
   1) Current Cell   2) Formula   3) Range   4) Cell Address
   5) None of these

242. What is included in an e-mail address?
   1) Domain name followed by user's name
   2) User's name followed by domain name
   3) User's name followed by postal address
   4) User's name followed by street address
   5) None of these

243. What is called the secret code which prohibits entry into some programs?
   1) Access code   2) Passport   3) Entry code   4) Password
   5) Keyword

244. Which of the following types of menu shows further sub-choices?
   1) Reverse   2) Template   3) Scrolled   4) Rapped   5) Pull Down

245. Which of the following operations is safe if an e-mail from an unknown sender is received?
  1) Open it to know about the sender and answer it.
  2) Delete it after opening it.
  3) Delete it without opening it.
  4) Open it and try to find who the sender is.
  5) None of these

246. The other name of a motherboard is
  1) Mouse   2) Computer Board   3) System Device   4) Central Board
  5) System Board

247. Which of the following operations can any part of a document be seen on the screen?
  1) Searching   2) Pasting   3) Scrolling   4) Editing
  5) Copying

248. Which of the following characteristics is used to compute the results from Excel data?
  l) Goto   2) Table   3) Chart.   4) Diagram
  5) Formula and Function

249. Which type of storage is a hard disc?
  1) Non-permanent   2) Volatile   3) Temporary   4) Non-volatile
  5) None of these

250. Which of the following is not a software?
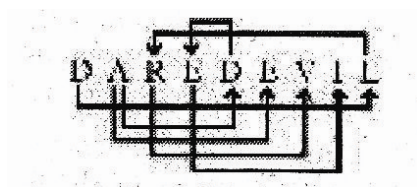 1) Excel   2) Printer-Driver   3) Operating System   4) Powerpoint
  5) Mouse

Answers:

1. 4;

Give number	5	2	3	1	6	9
Numbers after modification	1	2	3	5	6	9

Only four digits 2, 3, 6 and 9 retain their positions.

2. 3;

B	U	I	L	D		L	I	K	E	S
5	#	3	1	@		1	3	©		8

So, S   K   I   D   →   8   ©   3   @

3. 5;

There are seven such pairs.

4. 5; STEADFAST

Second letter	T
Third letter	E
Seventh letter	A
Eighth letter	S

Possible words are ── SEAT, EAST

5. 1;

ie VTSH

(6 – 10): $\$$ $\rightarrow$ $=$

                   δ $\rightarrow$ $\geq$

                   © $\rightarrow$ $\leq$

                       $\rightarrow$ $<$

                   @ $\rightarrow$ $>$

6. 3; **Statements**: W $\$$ F, F δ R, R   M

                     $\downarrow$ $\downarrow$ $\downarrow$

                W $=$ F, F $\geq$ R, R $<$ M

Combining all the given expressions

    W   F $>$ R $<$ M

    W $\geq$ R $<$ M

Thus, R $\leq$ W

ie either R $<$ W or R $=$ W

7. ; **Statements:** V δ T, T *@* N, N $\$$ J

                   $\downarrow$ $\downarrow$

              V $\geq$ T, T $>$ N, N $=$ J

Combining all the above expressions

V $\geq$ T $\geq$ N - J

V $\geq$ T $>$ J

Thus, I follows

V $\geq$ T $>$ N

N $<$ V

II also follows.

8. 4; Statements: K © R, R δ M, M   F

               $\downarrow$ $\downarrow$

            K $\leq$ R, R $\geq$ M, M $<$ F

Combining all the above statements,

K $<$ R $>$ M $<$ F

Comparison is not possible

So, I doesn't follows.

Again, K < R > M < F

Comparison is not possible

Thus, II doesn't follow.

9. 1; **Statements:** B @ J, J H, H © N

B > J, J < H, H ≤ N

Conclusions; I. N > J,   **II.** N > B

Combining all the statements.

B > J < H ≤ N   ∴ N > J follows

Combining   ∴ I follows

B > J < H ≤ N

B > J < N

Comparison is not possible

Thus, II doesn't follow.

10. 2; **Statements:** T   K, K © M, M δ D

T < K, K ≤ M, M ≥ D

Combining all the above

T < K < M > D

Comparison is not possible

So, I doesn't follow.

Again, T < K < M > D

Combining

T < M ≥ D

Thus, II follows.

11. 4;

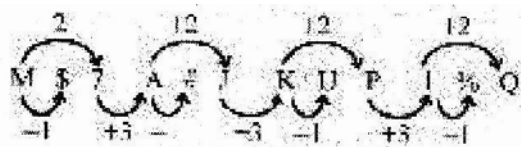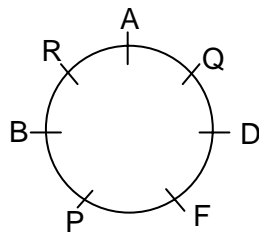**12.** 3; T # A, J @ U

13. 2; 1 8 Q

14. 5; There are total 33 elements/ If the positions of 25 elements from the right end are reversed, the eight elements from the left end will remain unchanged. Now, 16th element from the left end would be $(16 - 8) = 8^{th}$ element from right in in original sequence, ie 5.

15. 1; Required element = $(23 - 8)$th from the left = 15th from the left = 9

(16 – 20):

16. 3   **17.** 2   **18.** 1   **19.** 5   **20.** 3

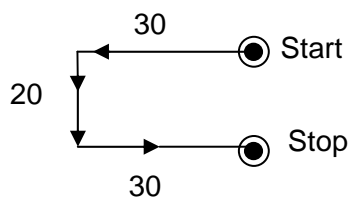**21.** 5; **From I.** T and P > R > _ > _

Q is not the youngest.

From I and II together.
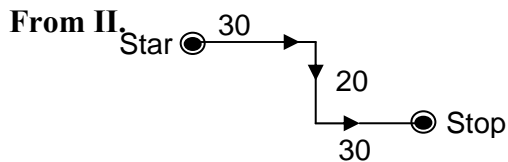
T and P > R > Q > S

Therefore, S is the youngest.

22. 3; **From 1.**

Q is facing East after he stops walking.

Thus, Only I is sufficient.

From II.

Q is facing East after he stops walking.

Thus, only II is sufficient.

23. 4; **From I.** rain is always good → 5 3 9 7

From II. He is always there → 3 6 8 5

Combining I and II,

is always → 3 5

Thus, we can't find the exact code for 'always'

Therefore, both I and II together are not sufficient.

24. 2; **From I.** Nothing is mentioned about D. So, we can't find the relation.

From II. M is the father of D. Thus, only II alone is sufficient.

25. 4; **From I.** According to Praveen, possible dates are – 15, 16, 17, 18

From II. According to Praveen's sister, possible dates are – 17, 18, 19. 20

Combining I and II

Possible dates are – 17, 18

Thus, we can't find the exact date.

(26 – 30)

Candidate	(i)	(ii)	(iii)	(iv)
	(b)	(a)		
Megha	√	(√)	√	√
Mihir	√	×	√	√
Arup	√	√	–	√
Manish	√	√	√	√
Nilima	(√)	√	√	√

26. 4   **27.** 2   **28.** 1   **29.** 3   **30.** 5

(31 – 35)

Student	Class	Favourite colour
P	VI	Black
Q	IV	Yellow
R	IV	Blue
S	V	White
T	VI	Green
V	V	Pink
W	IV	Red

31. 3
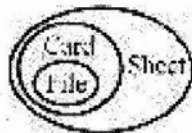
32. 4;　　　**33.** 2　　　　**34.** 4　　　　**35.** 1
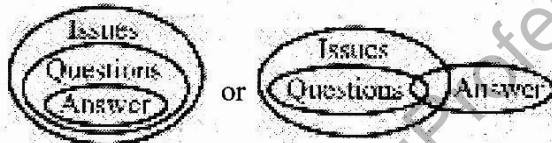
36. 2;

Thus, only II follows.

37. 1;

Thus, only I follows.
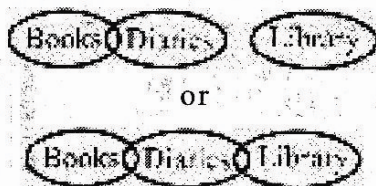
A possible Venn-diagram is

38. 4;

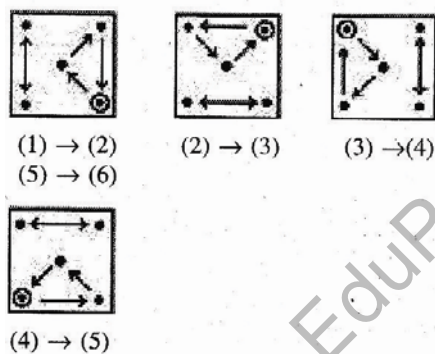Thus, neither I nor II follows.

39. 3; Possible Venn-diagrams are

Thus, either I or II follows.

41. 5; In each subsequent figure all the elements move half a step in ACW direction. The first element and the fourth and the fifth elements move to the second and the third positions respectively in the first step. In the second step, the last element moves to the first position and gets replaced with a new element and the fourth element moves to the second position. These two steps are repeated alternately in subsequent figures.

42. 4; In the subsequent steps, two, two, one, four, four, and so on curves are added in a set order.

43. 4; From problem figure (1) to (2), three line segments are added to complete the squares and from problem figure (3) to (4), four line segments are added to complete the squares. Therefore, from problem figure (5) to (6), ie the answer figure, five line segments would be added to complete the squares.

44. 5; In each subsequent figure, the element rotates by 90° CW and moves in CW direction and two half-leaflets are added.

45. 1; The following changes occur in the subsequent figures.

(1) → (2) (2) → (3) (3) →(4)
(5) → (6)

(4) → (5)

A new element is placed at the encircled position.

46. 2; In the subsequent figures, four, five, six, seven, eight, and so on, elements from the top are deleted and two elements reappear in each subsequent figure.

47. 2; In each subsequent figure, the plane of elements rotates by 45° ACW. From problem figure (1) to (2), the first element from the top, ie the curve, is inverted. From problem figure (2) to (3), two curves and one angle are inverted. From problem figure (3) to (4), both the angles are inverted. From problem figure (4) to (5), all the three curves are inverted. Therefore, from problem figure (5) to answer figure, one curve and two angles would be inverted.

48. 5; In each subsequent figure, all the elements are inverted and two elements interchange their positions in a set order.

49. 3; The following changes occur in subsequent figures:

50. 3; In subsequent figures, three, four, five, four, three, and so on. curves are inverted in a set order.

51. 2   **52.** 2   **53.** 4   **54.** 5   **55.** 4   **56.** 1   **57.** 5   **58.** 2   **59.** 1   **60.** 3

61. 3   **62.** 4   **63.** 2   **64.** 1   **65.** 2   **66.** 5

67. 3; Replace 'creativity' with 'creative'.

68. 2: The correct answer spelling is 'hospitals'.

69. 2; Replace 'then' with 'than'

70. 4: The correct answer spelling is 'pressure'.

71. 3;   **72.** 3   **73.** 5   **74.** 1   **75.** 1

76. 1;   **77.** 5   **78.** 3   **79.** 4   **80.** 5

81. 1; 'Every company must'.

82. 5

83. 2; ' to provide'

84. 4; Replace 'easier' with 'easily'.

85. 3; Remove 'a'.

86. 4; Replace 'its' with 'their'.

87. 1; Replace 'decide' with 'their'.

88. 3; Replace 'therefore' with 'as' or 'because'

89. 3; Delete 'have'.

90. 4; Replace 'submitting' with 'submit'.

91. 2   **92.** 3   **93.** 1   **94.** 4   **95.** 1

96. 2   **97.** 2   **98.** 5   **99.** 2   **100.** 5

101. 5; 153.45

102. 5;

$$(2-3+2) + \left(\frac{1}{7} - \frac{1}{14} + \frac{2}{7} \right)$$

$$= 1 + \left(\frac{2-1+4}{14} \right) = 1 + \left(\frac{5}{14} \right) = 1 \frac{5}{14}$$

103. 3; $\dfrac{1}{5} \times \dfrac{5}{7} \div \dfrac{6}{7} = \dfrac{1}{6}$

104. 5; $2615 - 4361 + 2881 = ? \times 20$

or, $1135 = ? \times 20$

or, $? = \dfrac{1135}{20} = 56.75$

105. 2;

$3.5 \times (48 \div 1.5) = ?$

or, $3.5 \times 32 = ?$

$? = 112$

106. 3; $\dfrac{16.8}{100} \times 705 = 118.44$

107. 5; 13% of 190 + ? = 111

or, $24.7 + ? = 111$

or, $? = 111 - 24.7 = 86.3$

108. 1; 371.68

109. 4;

$(25^3)^2 \times (25^2)^8 \div (25)^3$

or, $25^6 \times 25^{16} \div 25^3 = 25^{6+16-3} = 25^{19}$

$\therefore \quad ? = 19$

110. 2;

$\sqrt{?} - 12 = \sqrt{1296}$

or, $\sqrt{?} = 36 + 12 = 48$

$\therefore \quad ? = 48^2 = 2304$

111. 1;

$8282 + 2828 = ? \ 40$

$\therefore \quad ? = \dfrac{11110}{40} = 277.75$

112. 4;

5% of 420 × ?% of 150 = 252

or ?% of 150 = $\dfrac{252}{21}$

or, $\dfrac{? \times 150}{100} = 12$ or, ? = $\dfrac{12 \times 100}{150} = 8$

113. 4; $\dfrac{25}{0.5} - 0.5 = 49.5$

114. 5;

5 × ? = 2862 ÷ 3

∴ ? = $\dfrac{2862}{3 \times 5} = 190.8$

115. 2; $\dfrac{8080}{80 \times 8} = 12.625$

116. 5; $\dfrac{9125}{90 \times 9} = 11.26$

117. 5; 6666 − 586 − 80 = 6000

118. 3; 11 × 11 + 111 = 121 + 111 = 232

119. 5; $(14.5)^2 = 210.25$

120. 1; $\dfrac{765}{45} = 17$

121. 4;

2	26	286	2574	18018	90090	270270
× 13	×11	× 13	× 7	× 5	× 3	

122. 1;

358	356	352	344	328	296	232	
− 2	− 4	− 8	− 6	− 32	− 64		

123. 3;

8		12	30	105	472.5		2598.75	16891.875

$\times 1.5$ $\times 2.5$ $\times 3.5$ $\times 4.5$ $\times 5.5$ $\times 6.5$

124. 3;

3   4 $\boxed{12}$ 21   85   110   326

$+1^2$ $+2^1$ -3^2 -4^2 $+5^2$ $+6^2$

125. 2;

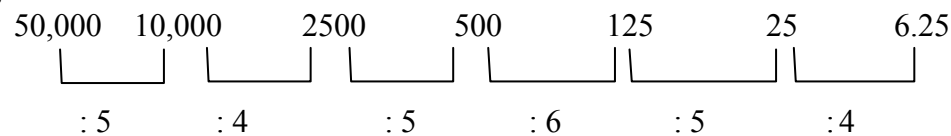50,000   10,000   2500   500   125   25   6.25

: 5   : 4   : 5   : 6   : 5   : 4

126. 4;

Number of days required

$$= \frac{6 \times 10}{10 - 6} = \frac{6 \times 10}{4} = 15 \text{ days}$$

127. 3;

Sneha's monthly income $= \dfrac{342000}{12} = 28500$

$\therefore$ Akruti's monthly income

$= \dfrac{28500}{95} \times 116 = 34800$

Akruti's annual income = 417600

128. 4; $\dfrac{3.36 \times 1000}{4 \times 7} = 120 \text{ m}$

129. 3;

Average of consecutive evn or odd numbers = a + (n - 1),

when a is the smallest number.

So, average of four consecutive even numbers = a + (4 - 1)

or, 37 = a +3

or, a = 37 - 3 = 34

$\therefore$ A = 34, B = 36, C = 38, D = 40

$\therefore$ Product of A and C = 34 $\times$ 38 = 1292

130. 1;

Let the number be x.

Then, $\dfrac{5x}{100} \times \dfrac{2x}{100} = 211.6$

or, $x^2 = \dfrac{211.6 \times 100 \times 100}{5 \times 2} = 211600$

$\therefore$ x = ± 460, half of number = 230

131. 1;

Sum of eight numbers

= $474 \times 8 = 3792$

$\therefore$ Missing number = 3792 - (533 + 128 + 429 + 225 + 305 + 601 + 804)

= 3792 - 3025 = 767

132. 2;

Perimeter of the square = 56 cm

$\therefore$ Side of the square = 14 cm

Perimeter of the rectangle = $\dfrac{56}{2}$ = 28 cm

or, 2 (1 + b) = 28

or, 9 + b = 14

or, b = 5 cm

$\therefore$ Difference = 14 - 5 = 9 cm

133. 2;

Time taken by the truck

= $\dfrac{256}{32}$ = 8 hr

Distance covered by th car = 256 + 160

= 416 km

Time = 8 hr

$\therefore$ Speed of the car = $\dfrac{416}{8}$ = 52 km / hr

134. 2;

Let the sum of maximum marks of all the subjects be x.

or, $\dfrac{x \times 85}{100} = (103 + 111 + 98 + 110 + 88)$

or, $x = \dfrac{510 \times 100}{85} = 600$

∴ Maximum marks of each subject

$= \dfrac{600}{5} = 120$

135. 3;

Total distance covered by the man

= perimeter of the square

or, $39.6 \times \dfrac{5}{18} \times 80 = 880$ m

∴ Side of the square $= \dfrac{880}{4} = 220$ m

136. 4;

Let Tanvi's age be x years.

∴ Tarun's age $= \dfrac{x}{2}$

∴ Vishal's age is $\dfrac{x}{4}$ years.

After four years,

$(x + 4) = \left(\dfrac{x}{4} + 4 \right) 2.5$ or, $x + 4 = \dfrac{2.5x}{4} + 10$

or, $4x + 16 = 2.5x + 40$

or, $1.5x = 24$

or, $x = \dfrac{24}{1.5} = 16$

137. 2

138. 4; (LCM of 12, 8 and 15)

139. 4;

Let the total number of children be x.

$\therefore$ (x - 80) $\left(\dfrac{3200}{x} + 2 \right) = 3200$

or, $2x^2 - 160x = 3200 \times 80$

or, $x^2 - 400x + 320x - 3200 \times 40$

or, $x (x - 400) + 320 (x - 400)$

or, $x - 400 = 0$

or, $x = 400$

140. 5;

$?^{1.6 + 0.4} = 24 \times 96$

or $?^2 = 2304$

$\therefore ? = \pm 48$

141. 3;

Perimeter of the rectangle = 2 (l + b)

or, $l + 5.5 = \dfrac{35}{2}$

or, $l = 17.5 - 5.5 = 12$

$\therefore$ Area of th rectangle = $12 \times 5.5 = 66$ sq m

and area of the circle = 66 sq m

142. 1; $\dfrac{663 - 612}{1020} \times 100 = 5\%$

143. 5; Cost price = $\dfrac{3740}{55} \times 100 = 6800$

144. 2; There are seven letters in the word "VIRTUAL".
Therefore, number of different ways in which these letters can be arranged
= 7 ! = $7 \times 6 \times 5 \times 4 \times 3 \times 2 = 5040$

145. 4; Since the length of the platform is not given, we can't find the speed of the train.

146. 2

147. 3; Sum of the heights of all the girls
= $148 \times 21 = 3108$ cm
Sum of the heights of the teacher and all the girls = $149 \times 22 = 3278$ cm
Teacher's height = $3278 - 3108 = 170$ cm

148. 1;

    Radius = 17.5 cm

    Area of the circle

$$= \frac{22}{7} \times 17.5 = 17.5 = 962.5 \text{ sq cm}$$

149. 1; $\dfrac{5625(100 + 25)}{(100 - 25)} = 9375$

150. 5;

    Largest fraction $= \dfrac{7}{9}$

    Smallest fraction $= \dfrac{4}{7}$

    $\therefore$ Difference $= \dfrac{7}{9} - \dfrac{4}{7} = \dfrac{49 - 36}{63} = \dfrac{13}{63}$

151. 3	**152.** 5	**153.** 2	**154.** 4	**155.** 5	**156.** 1	**157.** 4
158. 3	**159.** 2	**160.** 5	**161.** 2	**162.** 4	**163.** 2	**164.** 1
165. 2	**166.** 5	**167.** 1	**168.** 2	**169.** 1	**170.** 4	**171.** 3
172. 3	**173.** 2	**174.** 3	**175.** 3	**176.** 2	**177.** 1	**178.** 1
179. 5	**180.** 3	**181.** 2	**182.** 4	**183.** 5	**184.** 5	**185.** 3
186. 2	**187.** 5	**188.** 4	**189.** 3	**190.** 4	**191.** 1	**192.** 1
193. 1	**194.** 5	**195.** 3	**196.** 5	**197.** 4	**198.** 4	**199.** 1
200. 3	**201.** 3	**202.** 1	**203.** 2	**204.** 4	**205.** 5	

206. 4; **A Notebook Computer is a type of Micro Computer only. All others are the different categories of computers either on the basis of operational principle (Digital type) or size and capacity of the computer (Mini,. Micro and Super Computer).**

207. 1	**208.** 2	**209.** 3	**210.** 1	**211.** 1	**212.** 5	**213.** 2
214. 1	**215.** 3	**216.** 1	**217.** 5	**218.** 5	**219.** 3	**220.** 4
221. 5	**222.** 3	**223.** 3	**224.** 4	**225.** 5	**226.** 4	**227.** 3
228. 5	**230.** 3	**231.** 4	**232.** 2	**233.** 3	**235.** 2	**236.** 3
237. 2	**238.** 2	**239.** 4	**240.** 4	**241.** 1	**242.** 2	**243.** 4

244. 5   **245.** 3   **246.** 5   **247.** 3   **248.** 5   **249.** 5   **250.** 5