ICET – 2011
Andhra University, Visakhapatnam – 530 003
Final Key for Question Booklet Code A

SECTION – A
Analytical Ability

Questions : 75
Marks : 75

(i) Data Sufficiency

Note: In questions numbered 1 to 20, a question is followed by data in the form of two statements labelled as I and II. You must decide whether the data given in the statements are sufficient to answer the questions. Using the data make an appropriate choice from (1) to (4) as per the following guidelines:

1. (a) Mark choice (1) if the statement I alone is sufficient to answer the question.
2. (b) Mark choice (2) if the statement II alone is sufficient to answer the question.
3. (c) Mark choice (3) if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient.
4. (d) Mark choice (4) if both the statements I and II together are not sufficient to answer the question and additional data is required.

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4. (d) Mark choice (4) if both the statements I and II together are not sufficient to answer the question and additional data is required.
1. What is the area of the circle? \[ 4 \]

I. The centre of the circle is (0, 0).
II. The point (2, 3) lies within the circle.

2. What is the value of \( 2x + 3y \)? \[ 3 \]

I. \( x + y = 2 \)
II. \( 3x - 2y = 1 \)

3. What is the value of \( p^3 + q^3 \)? \[ 4 \]

I. \( p^2 + q^2 = 74 \)
II. \( pq = 35 \)

4. After how much time will A meet B? \[ 3, 4 \]

I. A and B are at a distance of 50 metres from each other.
II. A and B are moving in the opposite directions with respective speeds of 10 kmph and 15 kmph.

5. If \( a > 0 \) then is \( a > b \)? \[ 2, 1 \]

I. \( a^2 > b^2 \)
II. \( \frac{a}{b} = \frac{2}{3} \)
6. Is \( g : \mathbb{R} \rightarrow \mathbb{R} \) an even function? \[ \square \]

\( g : \mathbb{R} \rightarrow \mathbb{R} \) ఎందుకు సమానం మిశ్రమం కాదు?

I. \( g(x) = g(-x) \) for every \( x \in \mathbb{R} \)

(ప్రతి \( x \in \mathbb{R} \) లో \( g(x) = g(-x) \))

II. \( g(x) \) is a polynomial of even degree.

\( g(x) \) ఏది 2వ పరిమాణం ఎంపిక గాయా పదార్థం కాదు.

7. What is the cost price of the article? \[ \square \]

\( \text{ప్రత్యేక విద్యార్థి విద్యార్థి} \?

I. The selling price of the article is ₹ 50.

(ప్రత్యేక విద్యార్థి విద్యార్థి ₹ 50.)

II. The profit is 10%.

సాధనా 10%.

8. What is the positive integer value of \( x \)? \[ \square \]

\( x \) ఏ రెండిందే ఉండే ప్రతిష్ఠాపన విద్యార్థి? \?

I. \( 16 < 5x + 1 < 26 \)

II. \( 4 < x^2 < 25 \)

9. What is the present age of the father? \[ \square \]

\( ఫాటా ఎందుకు ప్రతిష్ఠాపన విద్యార్థి? \?

I. The sum of the present ages of the father and his son is 46.

(ప్రతిష్ఠాపన విద్యార్థి ప్రతిష్ఠాపన విద్యార్థి కొరకు కాలం కొంతా 46.)

II. 5 years ago the father's age was 5 times that of his son.

(5 సంవత్సరాలు ప్రసాదం ప్రతిష్ఠాపన విద్యార్థి కొరకు కొంతా 5 సంవత్సరాలు.)

10. How many elements are there in the set \( A \)? \[ \square \]

సెట్ \( A \) ను ఎంత ఎంటిలు ఉండేవి? 

I. \( A \cup B \) has 25 elements.

\( A \cup B \) ఎందుకు 25 ఉండే పదార్థాలు.

II. \( B - A \) has 15 elements.

\( B - A \) ఎందుకు 15 ఉండే పదార్థాలు.
11. How many brothers does A have?  
   A has 3 brothers.  
   I. A's father has four children.  
      A తన తండ్రి చండి మంది  
      లేదు.  
      II. A is the only daughter of her parents.  
         A ప్రపంచంలో అతిపెద్ద ఒక దర్శని.  

12. In the right-angled ΔABC what is ∠A?  
   I. ∠B = 30°  
   II. ∠A + ∠C > 90°  

13. What is the perimeter of the circular sector?  
   రంగుల రంగుల రంగుల రంగుల రంగుల రంగుల రంగుల రంగుల రంగుల రంగుల రంగుల రంగుల రంగుల రంగుల రంగుల రంగుల రంగుల రంగుల రంగుల రంగుల రంగుల రంగుల రంగుల రంగుల 
   I. The angle of the sector is \( \frac{\pi}{3} \).  
      రంగుల రంగుల రంగుల రంగుల రంగుల రంగుల రంగుల రంగుల 
      \( \frac{\pi}{3} \).  
   II. The area of the sector is \( 6\pi \) square units.  
      రంగుల రంగుల రంगుల రంగుల 
      \( 6\pi \) రంగుల రంగుల రంగుల రంగుల 

14. Is the product a·b an irrational number?  
   రంగుల రంగుల రంగుల 
   I. a is an irrational number.  
      రంగుల 
      a రంగుల 
   II. b is an irrational number.  
      రంగుల రంగుల 
      b రంగుల 

15. Is the value of x unique?  
   రంగుల 
   I. \( x < 0 \)  
   II. \( x^3 = 16 \)
16. Is \( x > y \) ?
\( x > y \) చాటించింది?
I. \( 5^x = 25^y \)
II. \( y = -2 \)

17. What is the area of \( \triangle ABC \) ?
\( \triangle ABC \) రింటు విషయం?
I. \( \angle ABC = 60^o \)
II. \( AB = BC = CA = 4 \)

18. What is the average of \( a, b, c \) and \( d \)?
\( a, b, c, d \) అంతర్గత సూచి?
I. \( a, b, c \) and \( d \) are primes.
\( a, b, c, d \) ప్రముఖ సంఖ్యలు.
II. \( a, b, c \) and \( d \) lie in \( \{10, 11, 12, ..., 20\} \)
\( a, b, c, d \) ఇంటర్వైలు రంగంలో ఉన్నాయి.

19. Is \( \triangle ABC \) right-angled?
\( \triangle ABC \) ప్రకృతి రింటు విషయం?
I. \( A \) lies on the circle with \( BC \) as a diameter.
\( BC \) నుండి సేము ప్రధానిలో \( A \) ఉంటుంది.
II. \( A, B \) and \( C \) lie on a circle.
\( A, B, C \) ఇంటర్వైల సేము పంచి ఉన్నాయి.

20. What is the value of \( V \)?
\( V \) నంపడానికి?
I. \( V \) is the volume of a cylinder.
\( V \) క్షితిష్ట విషయం.
II. The cylinder is of height \( h \) units.
వ్యాసం \( h \) అంతర్గత ఉంటుంది.
(ii) Problem Solving
(a) Sequence and Series

Note: In each of the questions numbered 21 to 35 a sequence of numbers or letters that follow a definite pattern is given. Each question has a blank space. This has to be filled by the correct answer from the four given options to complete the sequence without breaking the pattern.

21. 5, 10, 30, 150, 1050, ___________ (1) 10550 (2) 11000 (3) 11525 (4) 11550

22. 1 8/9, 2 2/9, 2 8/9, ___________ 3 2/9 (1) 2 2/9 (2) 2 5/9 (3) 2 7/9 (4) 2 8/9

23. (2, 5, 9), (6, 8, 7), (10, 11, 5), ___________ (1) (14, 14, 3) (2) (14, 13, 4) (3) (12, 14, 3) (4) (12, 13, 4)

24. 1 1/2, 8, 27, 64, ___________ 216 (1) 125/16 (2) 125/26 (3) 75/18 (4) 81/19

25. The value of the 13th term in the sequence 1, 3, 6, 10, 15, _______ is ___________ (1) 97 (2) S9 (3) 89 (4) 85

26. 24, 35, 48, 63, ___________ 99, 120 (1) 72 (2) 79 (3) 80 (4) 87

27. DFIK, GILN, JLOQ, ___________ (1) MPRO (2) MORP (3) MRPO (4) MORT

28. 2A4, 3E5, 416, ___________ 6Q8 (1) 5M7 (2) 5N7 (3) 5P7 (4) SS7

29. BDYZCA, CEXYDB, ___________ (1) ADFXEC (2) BDVWEC (3) EGVWDF (4) BDVWCF

P.T.O.
30. ABDH, DECK, GHJN, ________, MNPT
   (1) JKQM (2) JLNP (3) JKMQ (4) JLPN

   (1) 170 (2) 226 (3) 260 (4) 325

   (1) 36 (2) 49 (3) 55 (4) 76

   (1) 21 × 23 (2) 21 × 22 (3) 21 × 31 (4) 24 × 26

34. Foot : Inch : : Year :
   (1) Day (2) Week (3) Month (4) Decade
   (5) 365

   (1) 11 (2) 31 (3) 61 (4) 41

Note: In questions 36 to 45, pick the odd thing out.

36. (1) 35 (2) 77 (3) 117 (4) 143 [3, 4]
37. (1) 14 (2) 34 (3) 62 (4) 96 [4]
38. (1) 2, 3, 13 (2) 3, 4, 25 (3) 4, 5, 41 (4) 5, 6, 71 [4]
39. (1) July (2) August (3) September (4) October
40. (1) 11 (2) 111 (3) 111111 (4) 111111111 [1]
41. (1) 19
   (2) 13
   (3) 7/5 (4) 3/2 [6, 4]
42. (1) (0111)₂ (2) (1101)₂ (3) (1111)₂ (4) (10001)₂ [3]
43. (1) 2W3 (2) 1Q7 (3) 1M3 (4) 1R9 [4]
44. (1) $x^2 + 4x + 5 = 0$
   (2) $x^2 + 4x + 4 = 0$
   (3) $x^2 - 4x + 4 = 0$
   (4) $x^2 + 2x + 1 = 0$ [1]
45. (1) 37 (2) 47 (3) 57 (4) 67 [3]
(b) Data Analysis

Note for Questions 46 to 50:
The following Pie diagram shows the marks secured by a student in different subjects in an examination. If the student scored 135 marks in Mathematics, answer the questions 46 to 50 after studying the Pie-chart.

46-50 హాగు క్రమంలో అయితే:
అధిక సంఖ్యలు బాగా సెటులు, అధిక సంఖ్యలు సెటులు, అధిక సంఖ్యలు సెటులు, అధిక సంఖ్యలు సెటులు, అధిక సంఖ్యలు సెటులు, అధిక సంఖ్యలు సెటులు, 46-50 హాగు క్రమంలో అయితే.

46. What is the total number of marks secured by the student in all the subjects put together?

(1) 360 (2) 450 (3) 540 (4) 720

47. How many marks did he score in Science?

(1) 108 (2) 114 (3) 120 (4) 136

48. How many more marks did the student score in Science and English put together than he scored in Social Studies and Hindi put together?

(1) 9 (2) 18 (3) 27 (4) 45

49. The ratio of the marks scored by him in Hindi to the marks scored in Social Studies, is

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

50. Out of the total marks scored by him in the examination, the percentage of marks scored in Social Studies is

(1) 15 (2) 20 (3) 25 (4) 30
Notes for Questions 51 to 55:

Each of the integers from 1 to 16 are to be placed on the Venn diagram given below in the appropriate regions A to H. Take

\[ S = \text{the set of integers from 1 to 16} \]
\[ I = \text{The set of odd integers from 1 to 16} \]
\[ II = \text{The set of perfect square integers from 1 to 16} \]
\[ III = \text{The set of prime integers from 1 to 16} \]
\[ H = S \setminus (I \cup II \cup III) \]

Answer the questions from 51 to 55 based on this data.

51-55 చిత్రంలో ప్రత్యేక ధాన్యాలు

I నుండి 16 వరకు సంఖ్యలు గొప్ప పరిమితి కలిగి ఉన్నాయి. దీని నాణ్యం ఆ A నుండి H వరకు కలిగి ఉన్నందునాను అంటే ఈ చిత్రంలో ప్రత్యేక ధాన్యాలు.

\[ S = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16\} \]
\[ I = \{1, 3, 5, 7, 9, 11, 13, 15\} \]
\[ II = \{1, 4, 9, 16\} \]
\[ III = \{2, 3, 5, 7, 11, 13\} \]
\[ H = S \setminus (I \cup II \cup III) \]

ఈ చిత్రంలో ప్రత్యేక ధాన్యాలు 51-55 సమాచారానికి మరియు మరియు.  

51. Which regions in the diagram are empty (not represented)?

(1) G only
(2) C and G only
(3) A and F only
(4) G and F only

\[ \square \]
52. Which regions contain a single integer?
   (1) B and D only
   (2) G and D only
   (3) A and C only
   (4) E and B only

53. Which regions contain five integers?
   (1) E and H only
   (2) D and B only
   (3) B only
   (4) A and C only

54. Which regions contain two integers?
   (1) E and F only
   (2) B and D only
   (3) A and E only
   (4) C only

55. The number of elements contained in the regions E and D put together is
   (1) 5
   (2) 6
   (3) 7
   (4) 8

(c) Coding and Decoding Problems
(10 Marks)

Notes to Questions 56 to 60:
In a code, the nth letter in English alphabet is coded to kth letter, where k = 3n + 2 (mod 26),
1 ≤ k ≤ 26. For example, the 5th letter E is coded as Q since 3 × 5 + 2 = 17 = 17 (mod 26) and Q
is the 17th letter. The reverse of this process is used for decoding. Based on this coding and
decoding processes, answer the questions 56 to 60 :

56. The code word for STATE is
   (1) GJEJG
   (2) GJEJF
   (3) GJEJP
   (4) GJEJQ

P.T.O.
57. The code word for MOUSE is 
   MOUQG (2) OUMQG (3) UGMQ (4) OUGQM

58. The code word for JOLLY is 
   JOLLY (2) PASSY (3) FUPPI (4) FULLY

59. The word coded as XEDI is 
   XEDI (2) POLE (3) PALE (4) PARK

60. The number of letters that are invariant in this code is 
   (1) 1 (2) 2 (3) 3 (4) 4

Note for Questions 61 to 65:
61 – 65 గాలిలు నిజం చెప్పండి:
In a code, the n-th letter of an English alphabet is coded to f(n)th letter, where f(n) is defined by

\[ f(n) = \begin{cases} 
  n + 17, & \text{if } 1 \leq n \leq 9 \\
  n - 1, & \text{if } 10 \leq n \leq 18 \\
  n - 18, & \text{if } 19 \leq n \leq 26 
\end{cases} \]

For decoding, the reverse process is used. Based on this coding and decoding process, answer the questions 61 – 65:

61. The code word for MANGO is 
   MANGO (2) LSOYN (3) KRLXN (4) KTPF

62. The code word for RHYME is 
   RHYME (2) QZGNV (3) QYILV (4) QYGLV
63. The word that is coded as ROME is ROMÉ రోమీ రోంమీ రోంమీీ రోమీీీీ
   (1) APNW (2) ANPW (3) AOMW (4) AMNU

64. The code word for ICET is ICET ఈస్టీ ఈస్టీ ఈస్టీ ఈస్టీ
   (1) ZUWC (2) ZVTD (3) ZTVB (4) ZUTD

65. Which letter is coded as X?
   సమీకరించిన అంకితం అనే అవసరమే?
   (1) F (2) G (3) W (4) C

(d) Date, Time and Arrangement Problems. (10 Marks)

66. B is the brother of A, S is the sister of B, E is the brother of D, D is the daughter of A and F is
    the father of S. Then the uncle of E is
    (1) A (2) B (3) E (4) F

67. A person X is facing North. He turns 165° in the anti-clockwise direction, then 30° in the
    clock-wise direction and thereafter 90° in the anti-clockwise direction. Then X is facing
    (1) North-West (2) North-East (3) South-West (4) South-East

68. The ages of a son and his father was in the ratio 2 : 5 seventeen years ago. If the present age
    of the son is 35 years, the age of the father 5 years hence, is
    (1) 62 years (2) 65 years (3) 67 years (4) 68 years

69. A leap year starts with Sunday. On what day will be the second of March in that year?
    (1) Wednesday (2) Thursday (3) Friday (4) Saturday

P.T.O.
70. If \( a \cdot b = a^3 + b^3 - 3ab \), then \( \frac{(2 \cdot 1) \cdot (2 \cdot 1)}{(2 \cdot 1)} = \) \( a \cdot b = a^3 + b^3 - 3ab \) or \( \frac{(2 \cdot 1) \cdot (2 \cdot 1)}{(2 \cdot 1)} = \)

\( 1 \) \( 2 \) \( 3 \) \( 4 \) \( 27 \)

71. If A, M, D and S denote the usual addition, multiplication, division and subtraction respectively, then \( (10 \cdot S \cdot 3 \cdot M \cdot 4) \cdot D \cdot 2 \) is equal to \( 2 \)

\( 1 \) \( 2 \) \( 3 \) \( 4 \) \( 75 \)

72. If \( a \cdot b = a + b \cdot \frac{ab}{2} \) for all \( a, b \in \mathbb{R} \) and \( e \) is a non-zero real number, then the value of \( e \) for which \( a \cdot e = a \) is \( 3 \)

\( 0 \) \( 1 \) \( 2 \) \( 3 \) \( 4 \) \( 3 \)

73. B is the father of A, C is the wife of B, D is the mother of C and E is the husband of D. Then how is E related to A?

\( 1 \)

A \( \square \) B \( \square \) C \( \square \) D \( \square \) E \( \square \)

(1) Grandfather (2) Mother (3) Brother-in-law (4) Father

74. In a row of six persons, D and C are immediate neighbours of E, B is the only neighbour of A and C is the neighbour of F. The possible persons occupying the two end points of the row are

\( 2 \)

(1) F and B (2) A and F (3) F and C (4) C and A

75. If a clock shows 12 minutes past 5, then the angle between its two hands is \( 2 \)

\( 6 \) \( 2 \) \( 84 \) \( 3 \) \( 80 \) \( 4 \) \( 78 \)
SECTION – B
Mathematical Ability

Questions : 75
Marks : 75

(i) Arithmetical Ability

76. If \(a:b = 4:5\) and \(b:c = 7:9\), then \(a:b:c =\)

\[
\begin{align*}
(1) & \quad 4:5:9 \\
(2) & \quad 4:7:9 \\
(3) & \quad 4:5:7 \\
(4) & \quad 28:35:45
\end{align*}
\]

\[\sqrt{60} + 8 = \]

\[
\begin{align*}
(1) & \quad 2\sqrt{2} + 3 \\
(2) & \quad \sqrt{3} + \sqrt{5} \\
(3) & \quad \sqrt{3} + \sqrt{15} \\
(4) & \quad \sqrt{5} + \sqrt{7}
\end{align*}
\]

When the following fractions are arranged in ascending order of magnitude, the middle one is

\[
\begin{align*}
(1) & \quad \frac{2}{3} \\
(2) & \quad \frac{5}{7} \\
(3) & \quad \frac{9}{13} \\
(4) & \quad \frac{7}{9}
\end{align*}
\]

A and B started a business investing \(\text{Rs} 10,00,000\) and \(\text{Rs} 15,00,000\) respectively and C joined them after 6 months with an investment of \(\text{Rs} 20,00,000\). The ratio of the share of their profits at the end of the year is

\[
\begin{align*}
(1) & \quad 3:2:3 \\
(2) & \quad \sqrt{2}:3:2 \\
(3) & \quad 1:3:1 \\
(4) & \quad 2:3:4
\end{align*}
\]

A man sold an article for \(\text{Rs} 187\) and gained 10%. The article was bought for

\[
\begin{align*}
(1) & \quad \text{Rs} 150 \\
(2) & \quad \text{Rs} 160 \\
(3) & \quad \text{Rs} 170 \\
(4) & \quad \text{Rs} 180
\end{align*}
\]
81. If \( \left( \frac{1}{3} \right)^{rd} \) of a number is \( \frac{1}{10} \), then \( \left( \frac{4}{5} \right)^{th} \) of that number is

- \( \frac{5}{6} \)
- \( \frac{25}{6} \)
- \( \frac{30}{25} \)
- \( \frac{6}{5} \)

82. If \( x + y + z = 0 \), then for any \( a > 0 \), \( a^{x+y} \) \( \cdot \) \( a^{y+z} \) \( \cdot \) \( a^{z+x} \) =

- \( x + y + z = 0 \) \( \Rightarrow \) \( a > 0 \) \( \Rightarrow \) \( a^{x+y} \) \( \cdot \) \( a^{y+z} \) \( \cdot \) \( a^{z+x} \) =

- \( 1 \)
- \( a \)
- \( a^2 \)
- \( \sqrt[3]{a^3} \)

83. Three persons A, B and C can do a work individually in 10 days, 12 days and 15 days respectively. If all the three persons work together, the number of days needed to complete the same work is

- \( \frac{3}{8} \)
- \( \frac{3}{6} \)
- \( \frac{3}{4} \)
- \( \frac{3}{5} \)

84. By selling 15 mangoes, a fruit seller recovers the cost price of 20 mangoes. What is the profit percentage?

- \( 25\% \)
- \( 200\% \)
- \( 100\% \)
- \( 50\% \)

85. The monthly incomes of two persons P and Q are in the ratio 4 : 3 and their monthly expenditures are in the ratio 3 : 2. If each of them save \( 750 \) per month, then Q's monthly income is

- \( 3,000 \)
- \( 1,500 \)
- \( 2,250 \)
- \( 3,750 \)

86. Two taps A and B can fill a tank in 12 and 18 minutes respectively. Both are kept open for 2 minutes and then the tap A is closed. In how many minutes will the tank be filled?

- \( 18 \)
- \( 16 \)
- \( 15 \)
- \( 13 \)
87. A rectangle of length 12 cm and breadth 5 cm is inscribed in a circle of radius r cm. Then r (in cm) is

\[ r = \sqrt{\frac{3}{12}} \times 5 \]

(1) 13 (2) 12 (3) \(6.5\) (4) 6

88. An item costing ₹200 is being sold out at 10% loss. If the price is further reduced by 5%, the selling price will be ₹2

(1) ₹170 (2) \(\sqrt{9} \times 171\) (3) ₹175 (4) ₹179

89. If \(\frac{6^{43} \times (24)^{2/5}}{9^{1/4} \times 12^{1/2}} = 3^a 2^b\) then \(a + b =\)

\[ a + b = 3.25 \]

(1) \(\sqrt{34} \times 15\) (2) \(29\) (3) \(31\) (4) 22

90. A train runs from station A to station B in 1 hr, 20 min. If the train is running at a speed of 18 kmph, then the distance between A and B is

(1) 24 km (2) 27 km (3) 20 km (4) 30 km

91. The sum of the even numbers from 100 to 200 (both numbers included) is

(1) 3875 (2) \(\sqrt{7650}\) (3) 3825 (4) 7750

92. 4 men and 6 women finish a job in 8 days, while 3 men and 7 women finish it in 10 days.

(1) 24 days (2) 32 days (3) 36 days (4) \(40\) days
93. Two persons A and B together can do a work in 30 days. After A and B worked for 5 days, C joined them and they together finished the work in another 20 days. Then the number of days in which C alone can complete the total work is

\[ \frac{4}{3} \]

A, B and C started a business. A invested \( \frac{1}{5} \)th of the capital; B invested \( \frac{1}{3} \)th of the capital and the rest by C. If they got a total profit of \( \text{Rs} \) 3,000/-, then the C’s share of profit is

\[ \sqrt{3} \]

A, B, C invested \( \frac{1}{5} \)th of the total capital, \( \frac{1}{3} \)th of the total capital, \( \frac{1}{3} \)th of the total capital, so the total capital is Rs 3,000. C’s share is

\[ \frac{\text{Rs} \ 1,400}{\text{Rs} \ 1,000} = \frac{4}{3} \times \frac{\text{Rs} \ 1,400}{\text{Rs} \ 1,000} = \frac{4}{3} \times 1.4 \approx 1.8 \text{ times} \]

97. The smallest positive integer which leaves a remainder 3 when divided by 5 and leaves a remainder 7 when divided by 7, is

\[ \sqrt{3} \]

5 is the remainder when divided by 5, which means the smallest positive integer which leaves a remainder 3 when divided by 5 and leaves a remainder 7 when divided by 7 is

\[ 68 \]

98. If \( 9x - 3y = 12 \) and \( 3x - 5y = 7 \), then \( 6x - 2y = \)

\[ \sqrt{4} \]

\( 9x - 3y = 12 \) and \( 3x - 5y = 7 \) can be simplified to

\[ 3x - 2y = 4 \]

99. If 7% of 900 is equal to \( x \) % of 200, then \( x = \)

\[ \sqrt{2} \]

7% of 900 is equal to \( x \)% of 200. Therefore

\[ 70 = \frac{x}{100} \times 200 \]

\[ x = \frac{70 \times 100}{200} = 35 \%

100. The least value of \( k \) such that 735 \( \times k \) is a perfect square is

\[ \sqrt{4} \]

735 \( \times k \) is a perfect square when

\[ k = 3 \]
101. What is the remainder when \(3^{10}\) is divided by 4?

- (1) 3
- (2) 2
- (3) 1
- (4) 0

102. Taps A and B can fill a tank in 10 hours and 15 hours respectively. The time taken (in hours) for both the taps together to fill the tank is

- (1) \(12\frac{1}{2}\)
- (2) 5
- (3) 6
- (4) 10

103. If the diagonals of a rhombus are 12 cm and 18 cm, then its area (in sq. cm.) is

- (1) 216
- (2) 108
- (3) 54
- (4) 180

104. A merchant prepares the market price of the article at a profit of 40% and sells them giving a discount of 10%. If an article is sold for ₹6300, then its cost price (in rupees) is

- (1) 600
- (2) 1000
- (3) 500
- (4) 400

105. If the speed of a train is 92.4 kmph, how many metres would it cover in 20 minutes?

- (1) 30,800
- (2) 3,080
- (3) 4,028
- (4) 4,280

106. If \(\frac{4}{5}\) of a bucket is filled in one minute, the rest of it will be filled in

- (1) 9/4 minutes
- (2) 1 minute
- (3) 1/4 minute
- (4) 1\frac{1}{2}\ minutes

107. The average of all the prime numbers less than 20 is

- (1) 9
- (2) 9.15
- (3) 9.55
- (4) 9.625

108. If the area of a triangle with base \(x\) is equal to the area of a square with side \(x\), then the altitude of the triangle is

- (1) \(\frac{x}{2}\)
- (2) \(x\)
- (3) \(2x\)
- (4) \(3x\)

P.T.O.
109. If \( \frac{x + y}{4x + y} = \frac{7}{10} \), then \( x : y = \) \( \boxed{3} \)

\[ \frac{x + y}{4x + y} = \frac{7}{10} \]

\[ 7 : 10 \quad (1) \quad 6 : 1 \quad (2) \quad 1 : 6 \quad (3) \quad 10 : 7 \quad (4) \]

110. The area of a trapezium is 220 sq. cm, and its height is 8 cm. If the sum of the non-parallel sides is 20 cm, its perimeter (in cm) is

\[ \boxed{1} \]

111. If \( x^4 - 8x^3 + 18x^2 - 8x + 1 = 0 \), then the value of \( x + \frac{1}{x} \) is \( \boxed{4} \)

\[ x^4 - 8x^3 + 18x^2 - 8x + 1 = 0 \quad \text{as} \quad x + \frac{1}{x} \]

\[ 1 \quad (1) \quad 2 \quad (2) \quad 3 \quad (3) \quad 4 \quad (4) \]

112. Among the following \( (p \rightarrow q) \rightarrow p \) is equivalent to \( \boxed{2} \)

\( p \wedge q \quad (1) \quad p \rightarrow (p \wedge q) \quad (2) \quad p \quad (3) \quad q \quad (4) \)

113. If a set \( A \) has 3 elements and another set \( B \) has 5 elements, then the number of relations from \( A \) to \( B \) is \( \boxed{4} \)

\( 2^3 \quad (1) \quad 15 \quad (2) \quad 2^3 \quad (3) \quad 2^5 \quad (4) \quad 2^{15} \)

114. If \( A = \{4, 5, 6, 7, 8, 9\} \), \( B = \{1, 2, 3, 4, 5, 6\} \), and \( C = \{2, 4, 6, 8\} \), then \( A \cap (B \cap C) = \boxed{2} \)

\( A = \{4, 5, 6, 7, 8, 9\}, \quad B = \{1, 2, 3, 4, 5, 6\}, \quad C = \{2, 4, 6, 8\}, \quad \text{as} \quad A \cap (B \cap C) = \)

\( \{4, 6\} \quad (1) \quad \{5, 7, 8, 9\} \quad (2) \quad \{2, 4, 6\} \quad (3) \quad \{7, 8, 9\} \quad (4) \)

115. Among the following, the converse of \( p \rightarrow (q \rightarrow r) \) is equivalent to \( \boxed{1} \)

\( \neg (p \lor q) \land (r \rightarrow p) \quad (1) \quad (p \lor q) \land (r \rightarrow p) \quad (2) \quad \neg r \lor (p \land q) \quad (3) \quad r \rightarrow q \rightarrow p \quad (4) \quad (p \land q) \lor (r \rightarrow p) \)
116. If a set A has 4 elements and another set B has 2 elements, then the number of functions from A into B that are not surjections is

\[ 2^4 - 2 \]

(1) 16  (2) 14  (3) 8

117. If \( f(x) = 12x^3 - 8x^2 + 4x - 1 \) then \( f(-2) + f(2) + f(-1) + f(1) = 0 \)

\( f(x) = 12x^2 - 8x + 1 \) if \( f(-2) = f(2) \) and \( f(-1) + f(1) = 0 \)

(1) \( \sqrt{84} \)  (2) 84  (3) 0  (4) 434

118. \( \cos 1^\circ \cdot \cos 2^\circ \cdot \cos 3^\circ \ldots \cdot \cos 179^\circ = \)

\[ \sum \left( \begin{array}{l} 2 \\ 0 \end{array} \right) \]

(1) 1  (2) \( \frac{3}{\sqrt{0}} \)  (3) \( \frac{3}{180^\circ} \)  (4) 90

119. If a set A has 7 elements, then the number of subsets of A having exactly one element in each is

\[ \sum \left( \begin{array}{l} 7 \\ 3 \end{array} \right) \]

(1) 25  (2) 27  (3) 72  (4) \( 7\sqrt{7} \)

120. \( \tan 170^\circ + \tan 55^\circ + \tan 170^\circ \cdot \tan 55^\circ = \)

\[ \sum \left( \begin{array}{l} 2 \\ 1 \end{array} \right) \]

(1) \( \tan 115^\circ \)  (2) \( \sqrt{\tan 45^\circ} \)  (3) \( \tan 105^\circ \)  (4) \( \tan 135^\circ \)

121. \( \sin 83^\circ \cos 53^\circ - \cos 83^\circ \sin 53^\circ = \)

\[ \sum \left( \begin{array}{l} 3 \\ 2 \end{array} \right) \]

(1) \( \frac{1}{2} \)  (2) \( \sqrt{3} \)  (3) \( \frac{1}{2} \)  (4) 0

122. If \( 180^\circ < A < 270^\circ, 90^\circ < B < 180^\circ \), \( \tan A = \sqrt{3} \) and \( \sin B = \frac{\sqrt{3}}{2} \), then the value of \( \sin (A - B) = \)

\[ \sum \left( \begin{array}{l} 4 \\ 1 \end{array} \right) \]

(1) 0  (2) 1  (3) \( \frac{1}{2} \)  (4) \( \sqrt{\frac{3}{2}} \)

123. The slope of the line \( \frac{3x + 5}{4y - 7} = \frac{1}{2} \) is

\[ \sum \left( \begin{array}{l} 3 \\ 2 \end{array} \right) \]

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

P.T.O.
124. The Y-intercept of the line $\frac{3y-7}{4} = \frac{4x+1}{5}$ is \[
\begin{align*}
(1) \quad & \frac{-7}{3} \\
(2) \quad & \frac{7}{3} \\
(3) \quad & \frac{-39}{15} \\
(4) \quad & \sqrt{\frac{39}{15}}
\end{align*}
\]

125. \[
\begin{align*}
4 \csc 150^\circ + 3 \sec^2 210^\circ - 5 \tan 225^\circ + 6 \cot^2 330^\circ =
\end{align*}
\]
(1) \[\sqrt{12} \]
(2) \[-\sqrt{12} \]
(3) \[\frac{7}{11} \]
(4) \[-\frac{7}{11} \]

126. A person on walking 20 metres towards a chimney in a horizontal line through its base observes that its angle of elevation of the top of the chimney changes from $30^\circ$ to $45^\circ$. Then the height (in metres) of the chimney is \[
\begin{align*}
(1) \quad & 10\sqrt{3} \\
(2) \quad & 10\sqrt{3} + 1 \\
(3) \quad & 20\sqrt{3} \\
(4) \quad & 20
\end{align*}
\]

127. The remainder when $91 \times 93 \times 95 \times 97$ is divided by 18 is \[
\begin{align*}
(1) \quad & 3 \\
(2) \quad & 10 \\
(3) \quad & 15 \\
(4) \quad & 8
\end{align*}
\]

128. A polynomial in $x$ leaves remainders 2 and 3 when divided by $x + 1$ and $x - 1$ respectively. Then the remainder we get when that polynomial is divided by $x^2 - 1$ is \[
\begin{align*}
(1) \quad & \frac{3x+2}{2} \\
(2) \quad & \frac{3x-2}{2} \\
(3) \quad & \frac{x-5}{2} \\
(4) \quad & \frac{x+5}{2}
\end{align*}
\]

129. The 11th term of the series $81, 27, 9, \ldots$ is \[
\begin{align*}
(1) \quad & \frac{1}{729} \\
(2) \quad & \frac{1}{243} \\
(3) \quad & \frac{1}{2187} \\
(4) \quad & \frac{1}{310}
\end{align*}
\]

130. The sum of first 12 terms of the series $5, 3, 1, -1, \ldots$ is \[
\begin{align*}
(1) \quad & -72 \\
(2) \quad & -36 \\
(3) \quad & -48 \\
(4) \quad & -108
\end{align*}
\]
131. \( \lim_{x \to 0} \frac{\tan x - x}{x} = \)  
\( \begin{array}{cccc} 
(1) & 1 & (2) & 0 \\
(3) & 0 & (4) & \text{does not exist}
\end{array} \) 

132. \( \lim_{x \to 1} \frac{1 + \sqrt[3]{x}}{1 + \sqrt[3]{x}} = \)  
\( \begin{array}{cccc} 
(1) & \frac{5}{3} & (2) & \frac{3}{5} \\
(3) & -\frac{5}{3} & (4) & -\frac{3}{5}
\end{array} \) 

133. If \( y = 2 \cos^2 x \), then \( \left( \frac{dy}{dx} \right)_{x=0} = \)  
\( \begin{array}{cccc} 
(1) & 0 & (2) & 2 \ln 2 \\
(3) & \ln 2 & (4) & -2 \ln 2
\end{array} \) 

134. If \( f(x) = \frac{x^2 + 1}{x^2 - 1} \), then \( f'(2) = \)  
\( \begin{array}{cccc} 
(1) & \frac{8}{9} & (2) & \sqrt{\frac{8}{9}} \\
(3) & \frac{5}{3} & (4) & -\frac{5}{3}
\end{array} \) 

135. The coefficient of \( x^{15} \) in the product \( (x - 1)(x - 2) \cdots (x - 16) \) is  
\( \begin{array}{cccc} 
(1) & (16)! & (2) & 136 \\
(3) & -136 & (4) & -16!
\end{array} \) 

136. If the sum of all the coefficients in the expansion of \( (1 + 3x - 2x^2)^n \) is 128, then the greatest coefficient in the expansion of \( (1 + x)^n \) is  
\( \begin{array}{cccc} 
(1) & 35 & (2) & 21 \\
(3) & 49 & (4) & 14
\end{array} \) 

137. If \( A, B \) are \( 3 \times 3 \) matrices such that \( \det A = 2, \det B = -1 \), then \( \det (4 AB) = \) 
\( \begin{array}{cccc} 
(1) & -8 & (2) & -32 \\
(3) & 8 & (4) & -128
\end{array} \) 

P.T.O.
138. If \( A = \begin{bmatrix} 2x + 3 & -4 \\ x + 7 & 2 \end{bmatrix} \) and if det \( A = 0 \), then \( x = \) 

\( \begin{array}{l}
(1) & 17 \\
(2) & 47 \\
(3) & -14 \\
(4) & -17 \end{array} \)

139. If \( \alpha, \beta \) are the roots of the equation \( 7x^2 - 8x + 6 = 0 \) then \( (\alpha^2 + \beta^2)(\alpha + \beta) = \) 

\( 7x^2 - 8x + 6 = 0 \) యొక్క రింగుల మూలాలు \( \alpha, \beta \) యొక్క \( (\alpha^2 + \beta^2)(\alpha + \beta) = \) 

\( \begin{array}{l}
(1) & -20 \\
(2) & 20 \\
(3) & 160 \div 343 \\
(4) & 160 \div 343 \end{array} \)

140. The distance (in metres) between two parallel tangents drawn to a circle of area 616 sq. m. is (Take \( \pi = \frac{22}{7} \)) 

616 సంఖ్యలు కలిగి కొద్ది చిహ్నాలు వంటివి సంఖ్యల సంఖ్యలు లాంటి (పిథాగరస్) 

\( \begin{array}{l}
(1) & 14 \\
(2) & 28 \\
(3) & 14 \div \pi \\
(4) & 28 \div \pi \end{array} \)

(iii) Statistical Ability (Marks : 10)

141. If the Mode and Mean of a data are 44 and 38 respectively, then the Median of the data is 

44 మధ్యమమైన మధ్యమమైన, మధ్యమమైన మధ్యమమైన మధ్యమమైన 

\( \begin{array}{l}
(1) & 39 \\
(2) & 40 \\
(3) & 42 \\
(4) & 43 \end{array} \)

142. The Median of the observations 108, 343, 721, 39, 74, 192, 48, 10, 123 is 

108, 343, 721, 39, 74, 192, 48, 10, 123 యొక్క 

\( \begin{array}{l}
(1) & 108 \\
(2) & 123 \\
(3) & 74 \\
(4) & 721 \end{array} \)

143. If two dice are thrown, then the probability that the sum of the two numbers obtained is a prime number is 

ఉదాహరణ ప్రముఖ ప్రముఖ ప్రముఖ ప్రముఖ ప్రముఖ 

\( \begin{array}{l}
(1) & \frac{7}{12} \\
(2) & \frac{5}{12} \\
(3) & \frac{1}{4} \\
(4) & \frac{3}{4} \end{array} \)

24
144. The arithmetic mean of the first 71 natural numbers is \[ \frac{3}{3} \]

145. If a letter is selected at random from the first 15 letters of the English alphabet, then the probability that it is a consonant is \[ \frac{1}{3} \]

146. The variance of the observations 73, 74, 75, ..., 84, 85 is \[ \sqrt{4} \]

147. If E, F are two events in a random experiment such that \( P(E) = \frac{1}{2} \) and \( P(F) = \frac{1}{3} \) and \( P(E \cup F) = \frac{2}{3} \) then \( P(E \cap F) = \frac{3}{12} \)

148. If a number is selected at random from the first 120 natural numbers, then the probability that it is divisible by 6 or 8 is \[ \frac{3}{3} \]

149. For two positive real numbers, arithmetic mean and geometric mean are 13 and 12 respectively, then these two numbers are \[ \sqrt{3}, \frac{1}{4} \]

150. If a leap year is selected at random, then the probability that there will be 53 Sundays in that year is \[ \frac{5}{7} \]
SECTION – C
Communication Ability

Questions : 50

PART – 1

Marks : 50

Choose the correct meaning for the word given:

151. Contiguous
    (1) Infectious
    (2) Adjoining
    (3) Unlawful
    (4) Prohibitive

152. Homogeneous
    (1) Treated milk
    (2) Human beings and animal groups
    (3) Parts or people of similar type
    (4) Words spelt similarly but having different meanings

153. Insatiable
    (1) Unable to be satisfied
    (2) Not complete
    (3) Fulfilled
    (4) Covetous

154. Knick-knack
    (1) Game
    (2) Small ornament
    (3) Knock
    (4) Snack

155. Haughty
    (1) Sportive
    (2) Disdainful
    (3) Naughty
    (4) Disconcerted

156. Grandiloquent
    (1) Grand plans
    (2) Great future
    (3) Exaggerated
    (4) Pompous

Fill in the blank choosing the correct word:

157. When the accident happened, the car was speeding down the _______ highway.
    (1) depraved
    (2) deprived
    (3) dislocated
    (4) deserted

158. He was _______ from the country when his visa expired.
    (1) repatriated
    (2) migrated
    (3) deported
    (4) exported

159. The three countries have signed a _______ pledging to work together in the health scheme.
    (1) memorial
    (2) memorabilia
    (3) memorandum
    (4) memoir

160. The judge promised to _______ the injustice done to him.
    (1) remove
    (2) abolish
    (3) redress
    (4) compensate
161. A deed is
(1) any written matter.
(2) a draft of annulment.
(3) a legal document.
(4) a present.

162. The concept of ‘gangplank’ implies
(1) doing things through proper channels.
(2) decentralising things.
(3) defying established hierarchy.
(4) clinging to a tyrannical authority.

163. Job specific tests that are designed to predict the potential of an individual to perform tasks are called
(1) personality tests.
(2) aptitude tests.
(3) intelligence tests.
(4) verbal ability tests.

164. A section of a Government department in charge of a particular activity is called a
(1) diocese.
(2) compartment.
(3) collegium.
(4) wing.

165. ‘Benchmarking’ is
(1) increasing sales.
(2) obtaining a brand mark.
(3) setting a standard for performance.
(4) opting out of competition.

166. HTML means
(1) Hyper Text Modern Language.
(2) Hyper Text Modern Language.
(3) Hyper Text Markup Language.
(4) Hyper Text Machine Language.

167. The installation wizard in Windows cannot
(1, 3)
(2) perform automatic search.
(3) install hardware.
(4) do quick installation.

168. GPS refers to
(1) Geo-Positioning System
(2) Geo-Processing System
(3) Global Positioning System
(4) Global Pointing System

169. Which of the following is not an input device?
(1) Printer
(2) Keyboard
(3) Light pen
(4) Scanner

170. The technique of creating a series of graphic frames to give an appearance of continuous movement is called
(1) booting
(2) animation
(3) diode
(4) graphics
Choose the correct answer:

171. A: I'm terribly sorry, John. I forgot your birthday. I don't know how it slipped my mind.  
   B: That's O.K. I was disappointed though. I know you were very busy last week.  
   In this conversation, the speaker B is  
   (1) apologetic.  
   (2) angry.  
   (3) disappointed.  
   (4) understanding.  

(4)

172. “Had they built a house of their own, they would not have been on the road today” means  
   (1) they have built a house of their own.  
   (2) they are not on the road today.  
   (3) they have not built a house of their own but they are not on the road today.  
   (4) they have not built a house of their own and so they are on the road today.  

(3)

173. A: Remember to wear your safety belt in the car.  
   B: Should I? Forget it.  
   B’s reply shows that he is  
   (1) careless.  
   (2) full of care.  
   (3) callous.  
   (4) carefree.  

(3)

174. The passive form of the sentence, “Do not beat anybody” is  
   (1) Let nobody be beaten by you.  
   (2) You shall not beat anybody.  
   (3) Do not be beaten by anybody.  
   (4) Nobody is beaten by you.  

(1)

175. He was pushed to the wall and so he had to resign the membership of the party.  
   The sentence implies that he was  
   (1) in a happy position.  
   (2) pinned to the wall.  
   (3) in a desperate position.  
   (4) confined to a cell.  

(4)

176. “Sudheer is the last person I’d trust with a secret” means  
   (1) Sudheer is the most suitable person to share a secret with.  
   (2) Sudheer is the least suitable man to share a secret with.  
   (3) Sudheer is not an unreliable person.  
   (4) Sudheer is a trouble-shooter.  

(3)

177. I don’t like to play second fiddle to anyone.  
   The speaker does not want to  
   (1) play a supporting role.  
   (2) play the lead role.  
   (3) play others’ fiddles.  
   (4) borrow anybody else’s fiddles.  

(3)

Fill in the blank with the appropriate phrase/verb/preposition:

178. It’s time you put pen _____ paper and replied to the CEO’s letter.  
   (1) to  
   (2) on  
   (3) and  
   (4) at  

(3)
PART – 4

Read the following passage and answer questions 186 – 190:

Museums must make their collections accessible. In the past, this simply meant packing them into display cases, often with wordy labels that made little concession to the lay person. Nowadays, accessibility should demand more than this. Displays can be lively and interesting, making the best use of theatrical or architectural techniques to capture the visitor’s attention and perhaps stimulate emotional response. But museums should be about more than their displays. They should make their collection accessible to the widest possible community. The provision of loan boxes of objects for class teachers is one known example of this, and recently this principle has been extended by some museums so that similar material is made available for use in treating elderly people who are losing their memory.

Museums concern themselves with ‘artifacts and specimens’ – not replicas. They exist to facilitate an encounter with authenticity. They present items that actually existed – were used – had meaning – at some historical time. This is a great strength and is what distinguishes them from heritage centres and theme parks, books and C.D. ROMs. Museums which rise to the challenge, which this distinction implies, and provide exciting and accessible displays, catalogues and outreach programmes, will find that their apparent competitors in ‘virtual history’ are in fact their allies, stimulating an appetite for the ‘real thing’ that museums are uniquely placed to satisfy.

186. According to the passage, museums must make their collections accessible to  
(1) lay persons. (2) buyers. (3) researchers. (4) general public.

P.T.O.
187. "Museums should be about more than their displays." This statement means:

(1) They should go beyond their visuals.
(2) They should have more space for their collections.
(3) They should have wordy labels.
(4) They should have more displays.

188. Museums are different from heritage centres, theme parks, books and CD-ROMs because they deal with

(1) exciting objects.
(2) replicas.
(3) original objects.
(4) modern objects.

189. According to the passage, the "provision of loan boxes of objects" helps museums

(1) become popular
(2) serve society
(3) get publicity
(4) make objects accessible to more people

190. The "real thing" refers to

(1) authentic displays.
(2) catalogues.
(3) outreach programmes.
(4) virtual displays.

Read the following passage and answer questions 191 – 195:

A stamp is, to many people, just a slip of paper that takes a letter from one town or country to another. They can’t understand why stamp collectors find so much pleasure in collecting them and how we find time to indulge in our hobby. To them it seems a waste of time, effort and money. But, they do not realise that many find the effort worthwhile and many who, if they did not spend their time collecting stamps, would spend it less profitably. In our leisure hours what better occupation is there to keep us out of mischief than that of collecting stamps? An album, a packet of hinges, a new supply of stamps, and the time passes swiftly. Stamp-collecting has no limits and a collection never has an end; countries are always issuing new stamps to celebrate coronations, great events, anniversaries and deaths. And the fascination of collecting is in obtaining these stamps before one’s rivals. Every sphere of stamp collecting has its fascination – receiving letters from distant countries and discovering old stamps in the leaves of dusty old books. A stamp itself has a fascination all its own. Gazing at its little picture we are transported to the wilds of Congo, the homes of the Arabs, and the endless tracks of the Sahara desert. There is a history in a stamp. The ancient Roman Empire and the Constitution of America, India’s Independence and the Allied Victory, are all conveyed to our mind’s eye through stamps. We see famous men – printers, writers, scientists, soldiers, politicians – and famous incidents. Stamps, so small and minute, contain knowledge that is vast and important.

191. Stamps take us through

(1) albums.
(2) books.
(3) history.
(4) dusty books.

192. Stamp collection profits one to

(1) kill time.
(2) keep out of mischief.
(3) get fascinated with pictures.
(4) become complacent.
193. A stamp has
(1) an inherent fascination. (2) only official value.
(3) no fascination at all. (4) no historical value.

194. The journey of a stamp is into
(1) the past. (2) the world of futile fantasy.
(3) the world of savagery. (4) the mazes of the future.

195. The passage is a contemplation on
(1) stamps and their ignominious history.
(2) the usefulness of collecting stamps.
(3) the competition in collecting stamps.
(4) stamp vendors.

Read the following passage and answer questions 196 – 200:

How do you understand multiple intelligences? In 1983, Howard Gardner, a Harvard University Professor, developed a theory called Multiple Intelligences. In his book Frames of Mind, he outlines seven intelligences that he feels are possessed by everyone: visual/spatial, verbal/linguistic, musical/rhythmic, logic/math, body/kinesthetic, interpersonal, and intrapersonal. In 1996, he added an eighth intelligence: naturalistic. In short, if you have ever done things that come easily for you, you are probably drawing on one of your other hand, if you have tried to do things that are very difficult to master or understand, one of your less developed intelligences. If your musical/rhythm intelligence may be very strong. If you have trouble writing or understanding poetry, your verbal/linguistic intelligence may not be as well developed. This does not mean that you will never be able to write poetry: it simply means that you have not fully developed your skills in this area.

196. How many intelligences does Gardner speak about?
(1) Eight (2) Seven
(3) Multiple (4) Innumerable

197. Inability to perform a certain task indicates a lack of
(1) spatial intelligence. (2) task-related intelligence.
(3) naturalistic intelligence. (4) interpersonal intelligence.

198. What does "Kinesthetic" mean?
(1) Dynamic (2) Sensory
(3) Flexible (4) Musical

199. What type of intelligence do people who can think in pictures have?
(1) Musical (2) Naturalistic
(3) Linguistic (4) Visual

200. What does trouble in understanding poetry mean?
(1) You are not a master of vocabulary.
(2) You failed to visualise a picture.
(3) You don’t have kinesthetic intelligence.
(4) You have not developed this special skill.