COURSE CODE: 395

Time: 2 Hours
Max: 400 Marks

Instructions to Candidates:

1. Write your Register Number within the box provided on the top of this page and fill in the page 1 of the answer sheet using pen.

2. Do not write your name anywhere in this booklet or answer sheet. Violation of this entails disqualification.

3. Read each question carefully and shade the relevant answer (A) or (B) or (C) or (D) in the relevant box of the ANSWER SHEET using HB pencil.

4. Avoid blind guessing. A wrong answer will fetch you –1 mark and the correct answer will fetch 4 marks.

5. Do not write anything in the question paper. Use the white sheets attached at the end for rough works.

6. Do not open the question paper until the start signal is given.

7. Do not attempt to answer after stop signal is given. Any such attempt will disqualify your candidature.

8. On stop signal, keep the question paper and the answer sheet on your table and wait for the invigilator to collect them.

9. Use of Calculators, Tables, etc. are prohibited.
1. Each year World Red Cross and Red Crescent Day is celebrated on
   (A) May 8  (B) June 8
   (C) May 18 (D) June 18

2. Guarantee to an exporter that the importer of his goods will pay immediately for the goods ordered by him is known as
   (A) Laissezfaireune  (B) Letter of credit
   (C) Inflation       (D) Guarantee card

3. Friction can be reduced by changing from
   (A) Rolling to sliding  (B) Potential energy to kinetic energy
   (C) Sliding to rolling  (D) Dynamic to static

4. Guru Gobind Singh was
   (A) the 10th and the last Guru of the Sikhs
   (B) founder of Khalsa, the inner council of the Sikhs in 1699
   (C) author of Dasam Granth
   (D) all the above

5. The ozone layer restricts
   (A) Visible light        (B) Infrared radiation
   (C) Ultra violet radiation (D) X and gamma rays

6. First Chief of the Army staff (India) was
   (A) Gen. K.M. Cariappa  (B) Vice-Admiral R.D. Katari
   (C) Gen. Maharaja Rajendra Singhji (D) General Maneckshaw

7. Heavy Water Project (Talcher) and Fertilizer plant (Paradeep) are famous industries of
   (A) Andhra Pradesh  (B) Orissa
   (C) Tamil Nadu      (D) Madhya Pradesh

8. Ecology deals with
   (A) Birds
   (B) Cell formation
   (C) Tissues
   (D) Relationship between organisms and environment
9. Durand Cup is associated with the game of
   (A) Volley ball       (B) Cricket
   (C) Hockey           (D) Foot ball

10. India's first Technicolor film ———— in the early 1950s was produced by
    (A) Jhansi Ki Rani ..... Sohrab Modi
    (B) Jhansi Ki Rani ..... Sir Syed Ahmed
    (C) Mirza Ghalib ..... Sohrab Modi
    (D) Mirza Ghalib ..... Munshi Prem chand

11. India has largest deposits of ———— in the world.
    (A) Gold          (B) Mica
    (C) Copper        (D) Iron

12. India's first satellite is named after
    (A) Bhaskara       (B) Chandrayan
    (C) Aryabhatta     (D) Varaha mihira

13. India's tallest stone statue of the Jain sage Gomateswara is at
    (A) Sravanabelagola, Karnataka  (B) Tirunallar, Puducherry
    (C) Amaravati, Andhra Pradesh  (D) Vedaranya, Tamil Nadu

14. In cricket, a run taken when the ball passes the batsman without touching his bat or body is called
    (A) Drive          (B) Bye
    (C) Leg bye        (D) Googly

15. Hygrometer is used to measure
    (A) Purity of milk (B) Specific gravity of a liquid
    (C) Relative humidity  (D) Pressure of air

16. India became a member of the United Nations in
    (A) 1950          (B) 1956
    (C) 1965          (D) 1945
17. Modern Indo-Aryan languages are based on an ancient language called
   (A) Pali  (B) Brahmi
   (C) Sanskrit  (D) Tamil

18. Olympic emblem is composed of five intertwined rings, each of a different colour, representing the five continents of the world as
   (A) Blue ring - Europe; Yellow ring - Asia; Black ring - Africa; Red ring - America; Green ring - Oceania
   (B) Blue ring - Asia; Yellow ring - Europe; Black ring - Oceania; Red ring - Africa; Green ring - America
   (C) Blue ring - Europe; Yellow ring - Asia; Black ring - Africa; Red ring - Oceania; Green ring - America
   (D) Blue ring - Asia; Yellow ring - Europe; Black ring - Africa; Red ring - America; Green ring - Oceania

19. Numismatics is the study of
   (A) Pneumonia fevers  (B) Stamps
   (C) Neurological disorders  (D) Coins

20. National Anthem was first sung on
   (A) January 24, 1950 by the Constituent Assembly of India
   (B) December 27, 1911 during the Indian National Congress Session
   (C) January 26, 1950 in the republic day function
   (D) August 15, 1947, in combined parliament

21. Alice in Wonderland' the famous TV serial is based on a book written by
   (A) Lewis Caroll  (B) John Milton
   (C) Thomas Hardy  (D) Charles Dickens

22. Who is the author of the book 'My Experiments with Truth'?
   (A) Jawaharlal Nehru  (B) Sarojini Naidu
   (C) Mahatma Gandhi  (D) Sardar Vallabhai Patel

23. Which insurance salesman invented the fountain pen in 1884?
   (A) Sir William Grove  (B) Charles Kettering
   (C) George Fountain  (D) Lewis Edison Waterman
33. The cost price of 20 articles is the same as the selling price of \( x \) articles. If the profit is 25%, then the value of \( x \) is
(A) 15  (B) 25  (C) 18  (D) 16

34. Present ages of Sameer and Anand are in the ratio of 5 : 4 respectively. Three years hence, the ratio of their ages will become 11 : 9 respectively. What is Anand's present age in years?
(A) 24  (B) 27  (C) 40  (D) Cannot be determined

35. A father said to his son, "I was as old as you are at the present at the time of your birth". If the father's age is 38 years now, the son's age five years back was
(A) 24 years  (B) 14 years  (C) 33 years  (D) 38 years

36. The average of 20 numbers is zero. Of them, at the most, how many may be greater than zero?
(A) 0  (B) 19  (C) 10  (D) 18

37. The captain of a cricket team of 11 members is 26 years old and the wicket keeper is 3 years older. If the ages of these two are excluded, the average age of the remaining players is one year less than the average age of the whole team. What is the average age of the team?
(A) 23  (B) 24  (C) 25  (D) None of these

38. In how many ways can the letters of the word 'LEADER' be arranged?
(A) 360  (B) 72  (C) 720  (D) 144

39. Six bells commence tolling together and toll at intervals of 2, 4, 6, 8, 10 and 12 seconds respectively. In 30 minutes, how many times do they toll together?
(A) 16  (B) 15  (C) 10  (D) 4

40. The square root of 1.5625 is
(A) 1.45  (B) 1.05  (C) 1.25  (D) 1.55

41. A group of students decided to collect as many paise from each member of group as is the number of members. If the total collection amounts to Rs. 59.29, the number of the member is the group is
(A) 67  (B) 77  (C) 87  (D) 57
42. Three pumps, working 8 hours a day, can empty a tank in 2 days. How many hours a day must 4 pumps work to empty the tank in 1 day?
   (A) 12  (B) 15  (C) 11  (D) 9

43. How many kilogram of sugar costing Rs. 9 per kg must be mixed with 27 kg of sugar costing Rs. 7 per kg so that there may be a gain of 10% by selling the mixture at Rs. 9.24 per kg?
   (A) 36 Kg  (B) 54 Kg  (C) 63 Kg  (D) 42 Kg

44. Which is better investment: 11% stock at 143 or $\frac{3}{4}$% stock at 117?
   (A) 11% stock at 143
   (B) 9.75% stock at 117
   (C) Both are equally good
   (D) Cannot be compared, as the total amount of investment is not given

45. How much time will it take for an amount of Rs. 450 to yield Rs. 81 as interest at 4.5% per annum of simple interest?
   (A) 3.5 years  (B) 4 years  (C) 4.5 years  (D) 5 Years

46. A, B, C subscribe Rs. 50,000 for a business. A subscribes Rs. 4000 more than B and B Rs. 5000 more than C. Out of a total profit of Rs. 35,000, A receives:
   (A) Rs. 8,400  (B) Rs. 11,900  (C) Rs. 13,600  (D) Rs. 14,700

47. Today is Monday. After 61 days, it will be
   (A) Wednesday  (B) Saturday  (C) Tuesday  (D) Thursday

48. The difference between the length and breadth of a rectangle is 23 m. If its perimeter is 206 m, then its area is
   (A) 1520 m²  (B) 2420 m²  (C) 2520 m²  (D) 2480 m²

49. Pipes A and B can fill a tank in 5 and 6 hours respectively. Pipe C can empty it in 12 hours. If all the three pipes are opened together, then the tank will be filled approximately in _______ hours
   (A) 1.7  (B) 2.7  (C) 3.5  (D) 4.5

50. Which of the following statements is not correct?
   (A) $\log_{10} 10 = 1$  (B) $\log (2 + 3) = \log (2 \times 3)$
   (C) $\log_{10} 1 = 0$  (D) $\log (1 + 2 + 3) = \log 1 + \log 2 + \log 3$
51. Look at this series: 3, 4, 7, 8, 11, 12, ... What number should come next?
   (A) 14 (B) 15 (C) 16 (D) 11

52. Choose the word that is a necessary part of harvest
   (A) Crop (B) Autumn (C) Tractor (D) Stockpile

53. ELFA, GLHA, ILJA, ________, MLNA
   (A) OLPA (B) KLMA (C) LLMA (D) KLLA

54. Optimist is to cheerul as pessimist is to
   (A) Petty (B) Gloomy (C) Mean (D) Helpful

55. Which word does NOT belong with the others?
   (A) Heading (B) Body (C) Letter (D) Closing

56. Georgia is older than her cousin Marsha. Marsha's brother Bart is older than Georgia. When Marsha and Bart are visiting with Georgia, all three like to play a game of Monopoly. Marsha wins more often than Georgia does. Which of the given statements given below is right?
   (A) When he plays Monopoly with Marsha and Georgia, Bart often loses.
   (B) Of the three, Georgia is the oldest.
   (C) Georgia hates to lose at Monopoly.
   (D) Of the three, Marsha is the youngest.

57. If leader is OVZWVI and manager is NZMSTVI, insurance is
   (A) RMHUIMXZV (B) VGQPIZGYX
   (C) QNGEHYILWU (D) UECINARSN

58. Arrange the words given below in a meaningful sequence

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Word</td>
<td>Paragraph</td>
<td>Sentence</td>
<td>Letters</td>
<td>Phrase</td>
</tr>
<tr>
<td>(A)</td>
<td>4, 1, 5, 2, 3</td>
<td>(B)</td>
<td>4, 1, 3, 5, 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(C)</td>
<td>4, 1, 5, 3, 2</td>
<td>(D)</td>
<td>4, 2, 5, 1, 3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

59. Is this statement true? “Yesterday I saw a ice cube which had already melted due to heat of a nearby furnace”?
   (A) Always (B) Never
   (C) Often (D) Sometimes

395 8
60. Which of the following diagrams indicates the best relation between Factory, Product and Machinery?

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
</table>
| ![Diagram](image)

61. A, P, R, X, S and Z are sitting in a row. S and Z are in the centre. A and P are at the ends. R is sitting to the left of A. Who is to the right of P?
(A) A  (B) S  (C) X  (D) Z

62. Deepak said to Nitin, "That boy playing with the football is the younger of the two brothers of the daughter of my father's wife." How is the boy playing football related to Deepak?
(A) Son  (B) Brother  (C) Brother-in-Law  (D) Cousin

63. Which one will replace the question mark?

![Diagram](image)

(A) 1  (B) 3  (C) 4  (D) 6

64. Flow : River :: Stagnant : ?
(A) Rain  (B) Stream  (C) Pool  (D) Canal

65. One morning Deepika Pudukone started to walk towards the Sun. After covering some distance she turned to right then again to the right and after covering some distance she again turns to the right. Now in which direction is she facing?
(A) North  (B) South  (C) North-East  (D) South-west

66. Choose the figure which is different from the rest.

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
</table>
| ![Diagram](image)

(A) 1  (B) 2  (C) 3  (D) 4

67. The word that cannot be formed using the word in capital letters: ADMINISTRATION
(A) Mind  (B) Minister  (C) Station  (D) Ration
68. If $A = 2$, $M = 26$ and $Z = 52$, the BET is equal to
   (A) 44          (B) 64          (C) 54          (D) 72

69. In a certain code language, '3a, 2b, 7c' means 'Truth is Eternal'; '7c, 9a, 8b, 3a' means 'Enmity is not Eternal' and 6a, 4d, 2b, 8b means 'Truth does not perish'. Which of the following means 'enmity' in that language?
   (A) 3a          (B) 7c          (C) 8b          (D) 9a

70. In a certain code language, 'po ki top ma' means 'Usha is playing cards'; 'Kop ja ki ma' means 'Asha is playing tennis'; 'ki top sop ho' means 'they are playing football'; and 'po sur kop' means 'cards and tennis'. Which word in that language means 'Asha'?
   (A) ja          (B) ma          (C) kop         (D) top

71. In a class room three fourth of the boys are above 160 cm in height and they are 18 in number. Also out of the total strength, the boys form only two third and the rest are girls. The total number of girls in the class is:
   (A) 18          (B) 24          (C) 12          (D) 30

72. A girl earns twice as much in December as in each of the other months. What part of her entire year's earning does she earn in December?
   (A) 2/12        (B) 2/13        (C) 3/14        (D) 1/13

73. Which number when placed at the sign of interrogation shall complete the matrix?

```
<table>
<thead>
<tr>
<th>1</th>
<th>4</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>4</td>
<td>6</td>
</tr>
</tbody>
</table>
```
   (A) 16 and 8   (B) 36 and 4   (C) 12 and 8   (D) 49 and 7

74. Which letter when placed at the sign of interrogation shall complete the matrix?

```
<table>
<thead>
<tr>
<th>A</th>
<th>D</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>I</td>
<td>M</td>
</tr>
<tr>
<td>?</td>
<td>N</td>
<td>R</td>
</tr>
</tbody>
</table>
```
   (A) P           (B) N           (C) K           (D) O

75. There are two statements followed by two conclusions numbered I and II. Decide which of the given conclusions logically follows from them.

Statements: I. All cars are cats. II. All fans are cats.
Conclusions: I. All cars are fans. II. Some fans are cars.
   (A) Only conclusion I follows.   (B) Only conclusion II follows.
   (C) Either I or II follows.      (D) Neither I nor II follows.

395  10
Questions 76–78 : Spotting errors. Read each sentence to find out whether there is any grammatical error in it. The error, if any will be in one part of the sentence. The letter of that part (A, or B or C) is the answer. If there is no error, the answer is 'D'. (Ignore the errors of punctuation, if any).

76. Spot the error
   (A) We discussed about the problem so thoroughly
   (B) On the eve of the examination
   (C) That I found it very easy to work it out.
   (D) No error

77. Spot the error
   (A) If you lend him a book
   (B) . He will lend it to some one else
   (C) And never you will get it back
   (D) No error.

78. Spot the error
   (A) In spite of several reminders
   (B) He did not so far send
   (C) Any reply to me, letters
   (D) No error

79. Fate smiles —————— those who untiringly grapple with stark realities of life.
   (A) with
   (B) over
   (C) on
   (D) round

80. The manner in which bombs exploded in five trains with in a short span of time suggests that it is a part of a
   (A) game
   (B) conspiracy
   (C) villainy
   (D) sabotage

81. An employment advertisement should —————— the number of vacancies.
   (A) provide
   (B) specify
   (C) contain
   (D) declare

82. I read an advertisement that said
   P : posh, air-conditioned
   Q : gentleman of taste
   R : are available for
   S : fully furnished rooms

The Proper sequence should be :
   (A) PQRS
   (B) PSRQ
   (C) PSQR
   (D) SRPQ
Questions 83-87: Pick out the best one which can complete incomplete stem correctly and meaningfully.

83. Despite his best efforts to conceal his anger
   (A) we could detect that he was very happy
   (B) he failed to give us an impression of his agony
   (C) he succeeded in camouflaging his emotions
   (D) people came to know that he was annoyed

84. "It is an uphill task but you will have to do it" means
   (A) The work is above the hill and you will have to do it
   (B) It is almost impossible for others but you can do it
   (C) It is very difficult task but you have to do it
   (D) This work is not reserved for you but you will have to do it

85. Because he believes in democratic principles, he always
   (A) decides all the matters himself
   (B) listen to others views and enforces his own
   (C) shown respect to others opinions if they match his own
   (D) reconciles with the majority views and gives us his own

86. To drive home
   (A) To find one's roots                      (B) To return to place of rest
   (C) Back to original position               (D) To emphasise

87. To hit the right nail on the head
   (A) To do the right thing                     (B) To destroy one's reputation
   (C) To announce one's fixed views             (D) To teach someone a lesson
Choose the pair similar to PAIN : SEDATIVE
(A) comfort : stimulant       (B) grief : consolation
(C) trance : narcotic         (D) ache : extraction

Choose the word which best expresses the meaning of EMBEZZLE
(A) Misappropriate  (B) Balance  (C) Remunerate  (D) Clear

Choose the word which best expresses the meaning of AUGUST
(A) Common     (B) Ridiculous   (C) Dignified  (D) Petty

Find the correctly spelt word.
(A) Benefitted    (B) Benifited   (C) Benefited  (D) Benefeted

Find the correctly spelt word.
(A) Decision     (B) Deccision   (C) Decission  (D) Dicision

93–95 : Find grammatically right sentence for the sentences given under.

You need not come unless you want to.
(A) You don’t need to come unless you want to
(B) You come only when you want to
(C) You come unless you don’t want to
(D) You needn’t come until you don’t want to

Why did you not threw the bag away?
(A) Why did you not throw the bag away?
(B) Why had you not threw the bag away?
(C) Why did you not thrown the bag away?
(D) Why you did not thrown the bag away?

The crops are dying; it must not had rained.
(A) The crops are dying must had not rained
(B) The crops are dying must not be rained
(C) The crops are dying must not have rained
(D) The crops are dying must not have been rained.
96 - 99 questions are on Comprehension. Choose the right answer based on the passage.

Organisations are institutions in which members compete for status and power, they compete for resource of the organisation, for example finance to expand their own departments, for career advancement and for power to control the activities of others. In pursuit of these aims, grouped are formed and sectional interests emerge. As a result, policy decisions may serve the ends of political and career systems rather than those of the concern. In this way, the goals of the organisation may be displaced in favour of sectional interests and individual ambition. These preoccupations sometimes prevent the emergence of organic systems. Many of the electronic firms in the study had recently created research and development departments employing highly qualified and well paid scientists and technicians. Their high pay and expert knowledge were sometimes seen as a threat to the established order of rank, power and privilege. Many senior managers had little knowledge of technicality and possibilities of new developments and electronics. Some felt that close cooperation with the experts in an organic system would reveal their ignorance and show their experience was now redundant.

96. The theme of the passage is
   (A) groupism in organizations
   (B) individual ambitions in organizations
   (C) frustration of senior managers
   (D) emergence of sectional interests in organizations

97. "Organic system" as related to the organization implies its
   (A) growth with the help of expert knowledge
   (B) growth with input from science and technology
   (C) steady all around development
   (D) natural and unimpeded growth

98. Policy decision in organization would involve
   (A) cooperation at all levels in the organization
   (B) modernization of the organization
   (C) attracting highly qualified personnel
   (D) keeping in view the larger objectives of the organizations

99. The author makes out a case for
   (A) organic system
   (B) research and Development in organisations
   (C) an understanding between senior and middle level executives
   (D) a refresher course for senior managers

100. Choose the antonym of FRAUDULENT
   (A) Candid  (B) Direct  (C) Forthright  (D) Genuine