PART – A

Questions 1 – 10: Fill in the blanks with the most grammatically correct and meaningful option from those provided:

1. I do not like sitting ________ him in the class as he talks a lot.
   A) along          B) by          C) besides        D) beside

2. The principal asked us ________ the school until 5 O’clock.
   A) not to stay    B) not to leave
   C) don’t leave    D) shall not leave

3. He was told to ________ the pace of his work.
   A) advance        B) accelerate
   C) increasing     D) speeded up

4. The accident took place early ________.
   A) today morning  B) at the morning
   C) morning of today D) this morning

5. He is the kindest and ________ of all my friends.
   A) the generest    B) more generouser
   C) most generous   D) the generous

6. The epidemic broke out last winter and did not die ________ for many months.
   A) out            B) down        C) off            D) away

7. Did you not ________ him yesterday?
   A) met            B) meet        C) seeing         D) meat

8. Has the bell ________?
   A) rang           B) ringing     C) rung           D) ringed

9. I wish you could stay here ________ days longer.
   A) few            B) a few       C) the few        D) fewer

10. A word that is no longer in use is said to be ________.
    A) exotic         B) ancient     C) primitive      D) obsolete
11. The correct match for the items in List 1 with those in List 2 is

<table>
<thead>
<tr>
<th>List-1</th>
<th>List-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Bhupen Hazarika</td>
<td>(i) Tamil</td>
</tr>
<tr>
<td>(2) Shivaji Ganesan</td>
<td>(ii) Malayali</td>
</tr>
<tr>
<td>(3) Satyajit Ray</td>
<td>(iii) Bengali</td>
</tr>
<tr>
<td>(4) Adoor Gopalkrishnan(iv)</td>
<td>Assamese</td>
</tr>
</tbody>
</table>

(A) 1-i, 2-ii, 3-iii, 4-iv
(B) 1-ii, 2-i, 3-iii, 4-iv
(C) 1-iv, 2-i, 3-iii, 4-ii
(D) 1-iii, 2-ii, 3-i, 4-iv

12. Which actor is known as Bharat Kumar for his acting in patriotic theme based films?
   A) Shashi Kapoor         B) Akshay Kumar
   C) Manoj Kumar           D) Pran

13. If 45*15=30, 17*7=10, then what will be the value of 52*25?
   A) 77                     B) 27
   C) 50                     D) 45

14. Gary Sobers belonged to the
   A) Australian Cricket team
   B) New Zealand Cricket team
   C) South Africa Cricket team
   D) West Indies Cricket team

15. In a certain code language “SUPPORTERS” is written as “8780”. How will “INEVITABLE” be written in that code language?
   A) 5940                    B) 5841
   C) 5742                    D) 5040

16. What color flag is flown by ships carrying persons with infectious diseases?
   A) Yellow                  B) Black
   C) White                   D) Purple

17. World Environment Day is celebrated on
   A) June 15                B) June 26
   C) June 05                D) July 01
18. By selling a calculator in Rs. 418, a shopkeeper makes a profit of 10%. The cost price of the calculator is __________
   A) Rs. 360.00
   B) Rs. 372.80
   C) Rs. 376.20
   D) Rs. 380.00

19. Next number in the following pattern will be
   21, 9, 21, 11, 21, 13, 21, ?
   A) 15
   B) 17
   C) 23
   D) 25

20. The first Union Minister of Education in independent India was
    A) Vallabhbhai Patel
    B) B.R. Ambedkar
    C) Abul Kalam Azad
    D) Jagjivan Ram

21. The headquarter of the BRICS Bank is located at
    A) Mumbai
    B) Sao Paulo
    C) Beijing
    D) Shanghai

22. A computer cannot “boot” if it does not have the
    A) Compiler
    B) Operating System
    C) Loader
    D) Assembler

23. ‘Mrichchhakatika’ was written by
    A) Vikramaditya
    B) Shudraka
    C) Kalhana
    D) Banabhatta

24. “Jog Waterfall” the highest waterfall in India, is located in the state of
    A) Odisha
    B) Karnataka
    C) West Bengal
    D) Maharashtra

25. Dada Saheb Phalke award has not been awarded to
    A) Mr. Manoj Kumar
    B) Ms. Sitara Devi
    C) Mr. B.R. Chopra
    D) Mr. Shashi Kapoor
PART – B

Directions (Questions 26 – 30) : In each of the following questions, out of the given alternatives, choose the one which best expresses the meaning of the given word.

26. Ambition
   A) Desire  B) Proclamation  C) Plan  D) Decision

27. Uncanny
   A) Unmistaken  B) Fearful  C) strange  D) Internal

28. Placid
   A) Dull  B) Clear  C) Enjoyable  D) Calm

29. Empirical
   A) Practical  B) Royal  C) Spiritual  D) Theoretical

30. Insipid
   A) Flat  B) Lucid  C) Wily  D) Witty

Directions (Questions 31 – 35) : In each of the following questions, there is a certain relation between two given words on one side of :: and one word is given on another side of :: while another word is to be found from the given alternatives, having the same relation with this word as the words of the given pair bear. Choose the best alternative.

31. Conscience : Wrong :: Police :
   A) Crime  B) Law  C) Discipline  D) Thief

32. Cells : Tissues :: Atoms :
   A) Elements  B) Molecules  C) Electrons  D) Organs

33. Painting : Artist :: Symphony :
   A) Novelist  B) Poet  C) Essayist  D) Composer

34. Pituitary : Brain :: Thymus :
   A) Larynx  B) Spinal Cord  C) Throat  D) Chest

35. Mountain : Valley :: Genius :
   A) Brain  B) Idiot  C) Think  D) Intelligence

Choose the correct antonym of the given word :

36. OFFER
   A) Beg  B) Borrow  C) Snatch  D) Request
37. DEARTH
   A) Abundance   B) Extravagance   C) Scarcity   D) Sufficiency
38. TRANQUIL
   A) Impatient   B) Agitated   C) Vociferous   D) Noisy
39.SEGREGATION
   A) Appreciation   B) Cohesion   C) Integration   D) Union
40. EXPLICIT
   A) Inspiring   B) Implied   C) Plain   D) Invigorating

**Directions (Questions 41–45):** In each of the following questions, four words have been given, out of which three are alike in some manner and the fourth one is different. Choose out the odd one.

41. A) Faraday   B) Newton   C) Marconi   D) Beethoven
42. A) Nerves   B) Artery   C) Valve   D) Aorta
43. A) Intimacy   B) Enmity   C) Attachment   D) Friendship
44. A) Ballot   B) Manifesto   C) Election   D) Vote
45. A) Bridge   B) Ladder   C) Escalator   D) Staircase

**Directions (Questions 46–50):** In each of the following questions, a number series is given with one term missing. Choose the correct alternative that will continue the same pattern and fill in the blank spaces.

46. 3, 6, 18, 72, (   )
    A) 144   B) 216   C) 288   D) 360
47. 3, 7, 15, 31, 63, (   )
    A) 92   B) 115   C) 127   D) 131
48. 11, 121, 225, 361, (   )
    A) 441   B) 484   C) 529   D) 729
49. 165, 195, 255, 285, 345, (   )
    A) 435   B) 390   C) 375   D) 425
50. 225, 336, 447, (   ), 669, 780
    A) 114   B) 558   C) 338   D) 991
Directions (Questions 51 – 55): In these questions, the real alphabets in a word are replaced by certain other alphabets according to a specific rule to form its code. The candidate is required to detect the common rule and answer the questions accordingly.

51. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded?
   A) VXEEIVV   B) VXFFHVV   C) VYEEHVV   D) VYEFIVV

52. If BOMBAY is written as MYMYMY, how will TAMILNADU be written in that code?
   A) TIATIATIA   B) ALDALDADL   C) IATIATIAT   D) MNUMNUMNU

53. If DELHI is coded as 73541 and CALCUTTA as 82589662, how can CALICUT be coded?
   A) 5279431   B) 5978213   C) 8251896   D) 8543691

54. In a certain code, RIPPLE is written as 613382 and LIFE is written as 8192. How is PILLER written in that code?
   A) 318826   B) 318286   C) 618826   D) 338816

55. In a certain code, TWENTY is written as 863985 and ELEVEN is written as 323039. How is TWELVE written in that code?
   A) 863203   B) 863584   C) 863903   D) 863063

Directions (Questions 56 – 60): In Relation puzzle type, mutual blood relations or other information of more than two persons are mentioned and information about any two is mentioned. Answer the questions with that information.

56. Deepak is brother of Ravi. Rekha is sister of Arul. Ravi is son of Rekha. How is Deepak related to Rekha?
   A) Son   B) Brother   C) Nephew   D) Father

57. i) In a family of six persons A, B, C, D, E and F, there are two married couples.
   ii) D is grandmother of A and mother of B.
   iii) C is wife of B and mother of F.
   iv) F is the granddaughter of E.

   What is C to A?
   A) Daughter   B) Grandmother   C) Mother   D) None of these

58. A party consists of grandmother, father, mother, four sons and their wives and one son and two daughters to each of the sons. How many females are there in all?
   A) 14   B) 16   C) 18   D) 24

59. Lakshmi and Meena are Rohan’s wives. Shalini is Meena’s step-daughter. How is Lakshmi related to Shalini?
   A) Sister   B) Mother-in-Law   C) Mother   D) Step-mother
60. A + B means A is the father of B; A – B means A is the wife of B; A × B means A is the brother of B; A/B means A is the daughter of B;

If P / R + Q, which of the following is true?
A) P is the father of Q  
B) P is the brother of Q  
C) P is the mother of Q  
D) P is the sister of Q

Directions (Questions 61 – 65): Study the following information and answer the questions given below it:

A blacksmith had five iron articles A, B, C, D and E, having a different weight.
   i) A weighs twice as much as B.
   ii) B weighs four and a half times as much as C.
   iii) C weighs half as much as D.
   iv) D weighs half as much as E.
   v) E weighs less than A but more than C.

61. Which of the following is the lightest in weight?
   A) A  
   B) B  
   C) C  
   D) D

62. E is lighter in weight than which of the other two articles?
   A) A, B  
   B) D, C  
   C) A, C  
   D) D, B

63. E is heavier than which of the following two articles?
   A) D, B  
   B) D, C  
   C) A, C  
   D) A, B

64. Which of the following article is the heaviest in weight?
   A) A  
   B) B  
   C) C  
   D) D

65. Which of the following represents the descending order of weights of the articles?
   A) A, B, E, D, C  
   B) B, D, E, A, C  
   C) E, C, D, A, B  
   D) C, A, D, B, E

Directions (Questions 66 – 70): Below is given a figure with four intersecting circles, each representing a group of persons having the quality written against it. Study the figure carefully and answer the questions that follow.
66. The region which represents the people who are intelligent, honest and truthful but not hard working is denoted by
   A) E    B) F    C) H    D) I

67. The people possessing all the qualities are represented by
   A) I    B) H    C) F    D) E

68. The region which represents people who are not honest but possess all other three qualities, is denoted by
   A) B    B) D    C) F    D) I

69. People who are not hard working, not intelligent and not truthful are represented by
   A) G    B) H    C) K    D) L

70. People who are not honest and truthful but are hard working and intelligent both, are represented by
   A) E    B) B    C) M    D) I

71. Ramakant walks northwards. After a while, he turns to his right and a little further to his left. Finally, after walking a distance of one kilometre, he turns to his left again. In which direction is he moving now?
   A) North    B) South    C) East    D) West

72. A watch reads 4.30. If the minute hand points East, in what direction will the hour hand point?
   A) North    B) North-west    C) South-east    D) North-east

73. One morning after sunrise Vikram and Shailesh were standing in a lawn with their backs towards each other. Vikram’s shadow fell exactly towards left hand side. Which direction was Shailesh facing?
   A) East    B) West    C) North    D) South

74. A group of 1360 persons consisting of captains and soldiers is travelling in a train. For every 15 soldiers there is one captain. The number of captains in the group is
   A) 80    B) 85    C) 90    D) 95

75. A bus starts from city X. The number of women in the bus is half of the number of men. In city Y, 10 men leave the bus and five women enter. Now, number of men and women is equal. In the beginning, how many passengers entered the bus?
   A) 45    B) 30    C) 25    D) 20
Directions (Questions 76 – 80) : For the Assertion (A) and Reason (R) given in each of the questions below, choose the correct alternative from the following :  
A) Both A and R are true and R is the correct explanation of A.  
B) Both A and R are true but R is not the correct explanation of A.  
C) A is true but R is false.  
D) A is false but R is true.  

76. **Assertion (A):** Leakages in household gas cylinders can be detected.  
**Reason (R) :** LPG has a strong smell.  

77. **Assertion (A):** Goitre is a common disease in mountainous regions.  
**Reason (R) :** The diet of the people in mountains lacks iodine content.  

78. **Assertion (A):** There is no vaccine for AIDS.  
**Reason (R) :** The AIDS virus changes its genetic code.  

79. **Assertion (A):** Downpour of rain lessens the humidity in the atmosphere.  
**Reason (R) :** Rains are caused when atmosphere cannot hold more moisture.  

80. **Assertion (A):** Water kept in earthen pots gets cooled in summer.  
**Reason (R) :** Evaporation causes cooling.  

81. After Mumbai which of the following Indian state has started an initiative to launch “Gender Taxi” which will be owned by operated LGBT community ?  
A) Rajasthan  B) New Delhi  C) Jharkhand  D) Kerala  

82. National Science Day observes on which of the following date ?  
A) February 25  B) February 28  C) February 26  D) February 24  

Directions (Questions 83 – 85) : In each question below are given two statements followed by two conclusions numbered I and II. You have to take the given two statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the two given statements, disregarding commonly known facts.  
A) If only conclusion I follows;  
B) If only conclusion II follows;  
C) If either I or II follows;  
D) If neither I nor II follows.
83. Statement : Some dogs bark.
   All dogs bite.

   Conclusion : I. Those dogs who do not bark, also bite.
                II. Those dogs who do not bark, not necessarily bite.

84. Statement : All boys are honest.
   Sachin is a boy.

   Conclusion : I. Sachin is honest.
                II. All honest persons are boys.

85. Statement : All dresses are brown.
   No shoe is brown.

   Conclusion : I. No dresses are brown.
                II. Some shoes are dresses.

**Directions (Questions 86 – 87) :** In this type of questions, six sentences are given and labeled S₁, P, Q, R, S, and S₆. S₁ and S₆ are the first and the last sentences of a paragraph respectively. The middle four sentences viz. P, Q, R and S are given in a jumbled order. The candidate is required to arrange these four sentences in a meaningful sequence and then choose the correct order from among the alternatives provided.

86. S₁ : Frozen foods are so popular today that many people wonder how they ever lived without them.

   S₆ : Now refrigerators and deep freezers preserve many foods that could not be kept any other way.

   P : Near the North Pole, where the ground stays frozen all the year around, there is no problem of preserving foods.

   Q : Actually, people who live in cool climates have had frozen foods for a long time.

   R : Ice helped them when they could get it, but they couldn’t get it very often.

   S : But people who live in warm climates have not always been able to keep food fresh.

   A) PQRS  B) QPRS  C) QPSR  D) SRQP

87. S₁: Anything you do that gives you some form of regular exercise will benefit your heart.

   S₆ : But do not push too hard; tune into the warning signals from your body.

   P : In fact, never choose an activity just because it is good for you.

   Q : By all means work up a good sweat and even a thirst perhaps.

   R : If you can combine this with enjoyment, then so much the better.

   S : You will soon get bored of it.

   A) PRSQ  B) PSRQ  C) QRPS  D) RPSQ
Directions: Read the paragraph given below and answer the question 88 to 90.

There are certain people, however, with whom one has a right to be bored-people who are so self-centered that they cannot listen to anyone else talking, people who engage in long conversations, with their cats when visitors are present, people who engage endless reminiscences of their old school when in the company of a man who was at a different school. Such people are boring because they make one feel for the time being a outsider.

88. Boring persons are generally
   A) Talkative              B) Quiet
   C) Indifferent           D) Tedium

89. The most pleasing type of company is where people
   A) chit-chat with you in a patronizing mood
   B) listen to you with awe and respect
   C) make you feel that they appreciate you conversation
   D) shower on you a lot of flattering remarks

90. The expression ‘endless reminiscences’ stands for
   A) a boring and lengthy talk
   B) a very long conversation
   C) a long chain of events
   D) an unending recollection of past experiences

Directions (Questions 91 – 95): Study the following table carefully and answer the questions given below it. Refer the Income of different industries given in the table and answer.

<table>
<thead>
<tr>
<th>INCOME OF INDUSTRIES (IN CRORES)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Financial Services</td>
</tr>
<tr>
<td>Telecommunications</td>
</tr>
<tr>
<td>Engineering</td>
</tr>
<tr>
<td>Agriculture</td>
</tr>
<tr>
<td>Manufacturing</td>
</tr>
<tr>
<td>Transportation</td>
</tr>
</tbody>
</table>
91. Which industry had the largest increase in income from year 2013 to year 2014?
   A) Manufacturing  B) Transportation
   C) Financial service D) Engineering

92. Which industry had the smallest increase in the income from year 2011 to 2015?
   A) Manufacturing  B) Transportation
   C) Telecommunication D) Engineering

93. Which industry experienced the largest percentage increase from 2014 to 2015?
   A) Manufacturing  B) Financial service
   C) Transportation D) Agriculture

94. Which industry had the least percentage of change from 2011 to 2014?
   A) Manufacturing  B) Telecommunication
   C) Transportation D) Agriculture

95. If the trend in the industries continues, which industry predicted to have higher income in 2016?
   A) Manufacturing  B) Financial service  C) Engineering  D) Agriculture

**Direction:** The following figure depicts three views of a cube. Based on this, answer questions 96 – 98.

96. The number on the face opposite to the face carrying 1 is
   A) 4  B) 2  C) 5  D) 3

97. The number on the faces adjustment to the face marked 5 are
   A) 1, 2, 4, 6  B) 1, 2, 3, 4  C) 2, 4, 1, 6  D) 4, 6, 2, 1

98. Which of the following pairs does not correctly give the numbers on the opposite faces?
   A) 6, 5  B) 4, 2  C) 1, 3  D) 4, 1

99. It takes Mr. Karthik ‘y’ hours to complete typing a manuscript. After 2 hours, he was called away. What fractional part of the assignment was left incomplete?
   A) \( (y - 1)y \)  B) \( (y - 3)/2 \)  C) \( (y - 2)/y \)  D) \( (y - 2)/2 \)

100. In a family 7 children don’t eat spinach, 8 don’t eat carrot, 6 don’t eat beans, 4 don’t eat spinach and carrots, 3 don’t eat carrot and beans, 2 don’t eat beans and spinach. One doesn’t eat all 3. Find the no. of children.
    A) 10  B) 11  C) 12  D) 14