RRB MOCK TEST - 4

1. Window : Pane :: Book : ?
   (A) novel (B) glass
   (C) cover (D) page

2. 9 : 738 :: 11 : ?
   (A) 1331 (B) 1342
   (C) 1334 (D) 1353

3. QAR, RAS, SAT, TAU, ?
   (A) UAV (B) UAT
   (C) TAS (D) TAT

4. MONK : DEVOTION :: ?
   (A) maniac : pacifism
   (B) explorer : contentment
   (C) visionary : complacency
   (D) rover : wanderlust

5. Rohit walked 25 m towards south. Then he turned to his left and walked 20 m. He then turned to his left and walked 25 m. He again turned to his right and walked 15 m. At what distance is he from the starting point and in which direction?
   (A) 35 m, East
   (B) 35 m, North
   (C) 30 m, West
   (D) 45 m, East

6. Which of the following does not belong to the group?
   (A) Wheat (B) Barley
   (C) Rice (D) Pea

7. In what order would you find the following words in the dictionary?
   1. Please
   2. Pleasure
   3. Pleasant
   4. Plead
   (A) 1, 2, 3, 4
   (B) 4, 3, 2, 1
   (C) 2, 4, 1, 3
   (D) 4, 3, 1, 2

8. In a certain code, CARPET is written as BZQODS, then how would POCKET be written in that code?
   (A) ONBJDS (B) QBJNDS
   (C) RSONBJ (D) ONDJBS

9. Identify the answer figure from which the pieces given in the question figure (X) have been cut.
   (A) 1 (B) 2
   (C) 3 (D) 4

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

11.  खिलाड़ी : उद्योग : : कार्यक्रम : ?
    (A) दृश्य (B) शोध
    (C) अवधि (D) गुण

12. 9 : 738 :: 11 : ?
    (A) 1331 (B) 1342
    (C) 1334 (D) 1353

13. QAR, RAS, SAT, TAU, ?
    (A) UAV (B) UAT
    (C) TAS (D) TAT

14. Which of the following does not belong to the group?
    (A) Wheat (B) Barley
    (C) Rice (D) Pea

15. In what order would you find the following words in the dictionary?
    1. Please
    2. Pleasure
    3. Pleasant
    4. Plead
    (A) 1, 2, 3, 4
    (B) 4, 3, 2, 1
    (C) 2, 4, 1, 3
    (D) 4, 3, 1, 2

16. In a certain code, CARPET is written as BZQODS, then how would POCKET be written in that code?
    (A) ONBJDS (B) QBJNDS
    (C) RSONBJ (D) ONDJBS

17. Identify the answer figure from which the pieces given in the question figure (X) have been cut.
    (A) (B) (C) (D)
    (A) 1 (B) 2
    (C) 3 (D) 4

18. Today is Monday. After 61 days, it will be:
    (A) Monday (B) Saturday
    (C) Wednesday (D) Thursday
Directions (Q.11-13): In each question below are 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 from commonly known facts and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Give answer (A) if only conclusion I follows.
Give answer (B) if only conclusion II follows.
Give answer (C) if either conclusion I or II follows.
Give answer (D) if neither conclusion I nor II follows.

11. Statements:
Some actors are singers.
All the singers are dancers.

Conclusions:
I. Some actors are dancers.
II. No singer is actor.

Give answer (A) if only conclusion I follows.
Give answer (B) if only conclusion II follows.
Give answer (C) if either conclusion I or II follows.
Give answer (D) if neither conclusion I nor II follows.

12. Statements:
All the harmoniums are instruments.
All the instruments are flutes.

Conclusions:
I. All the flutes are instruments.
II. All the harmoniums are flutes.

Give answer (A) if only conclusion I follows.
Give answer (B) if only conclusion II follows.
Give answer (C) if either conclusion I or II follows.
Give answer (D) if neither conclusion I nor II follows.

13. Statements:
Some ants are parrots.
All the parrots are apples.

Conclusions:
I. All the apples are parrots.
II. Some ants are apples.

Give answer (A) if only conclusion I follows.
Give answer (B) if only conclusion II follows.
Give answer (C) if either conclusion I or II follows.
Give answer (D) if neither conclusion I nor II follows.

14. What will come in place of the question mark (?) in the following question?

4 8 6 14 10 1 8 8 6 1 4 1 2 2 5 4 6 1 1 1 5

(A) 11 (B) 13 (C) 10 (D) 15

15. Anita ranks 16th in a class of 30 students from the top. What is her rank from the bottom?

(A) 13th (B) 14th (C) 15th (D) 16th

16. Of the following four are alike in a certain way and so form a group, which is odd-one out?

(A) Wheat (B) Paddy (C) Cotton (D) Sugar-cane

17. The next two letters in the letter sequence below are:

MLNKOJ_ _

(A) R, H (B) Q, S (C) I, T (D) P, I
18. What numbers occur at the bottom face in the three positions of the same dice?

(A) 6, 6, 2  (B) 5, 5, 5  
(C) 5, 6, 1  (D) 6, 5, 2

19. A husband and wife have six married sons and each of them has four children. The total members in the family is:

(A) 40  (B) 30  
(C) 36  (D) 38

20. If 'P + Q' means 'P is father of Q', 'P × Q' means 'P is brother of Q', 'P – Q' means 'P is mother of Q' then which of the following is definitely true about C – A + B?

(A) C is mother of B  (B) B is father of A  
(C) A is son of C  (D) B is son of A

21. If a meaningful word can be formed with the third, fifth, seventh and tenth letters of the word PROJECTION, then the third letter of that word is the answer. If no such word can be formed then 'X' is the answer and if more than one such word can be formed then give 'M' as the answer.

(A) T  (B) N  
(C) M  (D) X

22. The angle between the minute hand and the hour hand of a clock when the time is 4:20, is:

(A) 0°  (B) 10°  
(C) 5°  (D) 20°

23. If each of the letters in the English alphabet are assigned even numerical values such that A = 2, B = 4, C = 6 and so on, then the total value of the letters in BABY will be

(A) 58  (B) 30  
(C) 56  (D) 60

24. If white is called blue, blue is called red, red is called yellow, yellow is called green, green is called black, black is called violet and violet is called orange, what would be the colour of human blood?

(A) Red  (B) Green  
(C) Yellow  (D) Violet

25. A and B are brothers. C and D are sisters. A's son is D's brother. Then how is B related to C?

(A) Father  (B) Brother  
(C) Grandfather  (D) Uncle

26. The sum of the digits of a two digit number is 11. On adding 27 to the given number its digits are reversed. Find the number.

(A) 38  (B) 47  
(C) 74  (D) 83
27. If 18 men can complete a job in 8 days working 5 hours a day then how many men working 8 hours a day for 6 days will be needed?
(A) 10 men  (B) 15 men  
(C) 12 men  (D) 9 men
28. Two sums of money are proportional to 8 : 3.
(A) $126  (B) $78
(C) $204  (D) $120
29. The price of an article costing ₹100 is increased first by 10% and then increased again by 10%. The total increase in the cost is:
(A) ₹20  (B) ₹21
(C) ₹110  (D) ₹121
30. Average marks obtained by 120 students is 35. If the average marks obtained by successful students is 39 and that by unsuccessful students is 15, then the number of successful students in that examination is
(A) 100  (B) 110
(C) 120  (D) 80
31. Vinod bought a Maruti Van at ₹1,96,000.

The rate of its depreciation is 14 \( \frac{2}{7} \)% p.a. What will be its price in 2 years?
(1) ₹1,44,000  (2) ₹1,40,000
(3) ₹1,68,000  (4) ₹1,70,000
32. A and B started a new company. The investment of A is thrice to that of B and the period of investment of A is twice that of B. B got ₹4000 as share in annual profit. The total profit at the end of the year, was
(1) ₹24000  (2) ₹16000
(3) ₹28000  (D) ₹20000
33. In a bag there are 25 paise, 10 paise and 5 paise coins in the ratio of 1 : 2 : 3. If the value of coins be ₹30, the number of 5 paise coins will be:
(A) 50  (B) 100
(C) 150  (D) 200
34. If the side of a square is increased by 25%, its area will increase by
(A) 125%  (B) 156.25%
(C) 50%  (D) 62.5%
35. Two trains are running on parallel lines at the speeds of 50 kmph and 30 kmph respectively in the same direction. The faster train crosses a man sitting in the slower train in 18 seconds. The length of the faster train is:
(A) 170 m  (B) 100 m
(C) 98 m  (D) 85 m

27. Two trains are running on parallel lines at the speeds of 50 kmph and 30 kmph respectively in the same direction. The faster train crosses a man sitting in the slower train in 18 seconds.

(A) 170 m  (B) 100 m
(C) 98 m  (D) 85 m
36. \( \frac{1}{\sqrt{4} + \sqrt{2} + 1} \) is equal to
(A) \( \sqrt{2} + 1 \)  
(B) \( \sqrt{2} - 1 \)  
(C) \( -\sqrt{2} - 1 \)  
(D) \( 1 - \sqrt{2} \)

37. If a circle and a semi-circle have the same radii of 14 cm, then the ratio of their perimeters is [use \( \pi = \frac{22}{7} \)]
(A) \( 3 : 1 \)  
(B) \( 2 : 1 \)  
(C) \( 10 : 9 \)  
(D) \( 11 : 9 \)

38. The smallest number to be subtracted from 4750 so as to get a perfect square number is:
(A) 126  
(B) 162  
(C) 216  
(D) 612

39. The HCF of two numbers is 11 and their LCM is 7700. If one of them is 275, the other number is
(A) 283  
(B) 308  
(C) 279  
(D) 318

40. If the cost price of 12 tables is equal to the selling price of 16 tables, then the loss per cent is:
(A) 15%  
(B) 20%  
(C) 25%  
(D) 30%

41. The single discount equivalent to three successive discounts of 10%, 20% and 25%, is:
(A) 55%  
(B) 45%  
(C) 60%  
(D) 46%

42. A 70 litres mixture of milk and water contains 20% of water. What quantity of additional water be mixed so that the water content in the mixture becomes 30% ?
(A) 10 litres  
(B) 8 litres  
(C) 7 litres  
(D) 5 litres

43. \( \frac{1}{\sqrt{4} + \sqrt{2} + 1} \) is equal to
(A) \( \sqrt{2} + 1 \)  
(B) \( \sqrt{2} - 1 \)  
(C) \( -\sqrt{2} - 1 \)  
(D) \( 1 - \sqrt{2} \)

44. Find the missing number in 4, 10, 22, 46, ?, 190
(A) 56  
(B) 16  
(C) 76  
(D) 94

45. The smallest five-digit number which is exactly divisible by 476, is
(A) 47600  
(B) 10000  
(C) 10476  
(D) 10472

46. A is twice as efficient as B and B is thrice as efficient as C. If a distance is covered by C in 42 minutes, in what time will A cover the same distance ?
(A) 14 minutes  
(B) 28 minutes  
(C) 63 minutes  
(D) 7 minutes
47. The length of the diagonals of a rhombus are 8 cm and 16 cm respectively. Area of this rhombus is:
   (A) 42 sq.cm  (B) 24 sq. cm
   (C) 14 sq. cm  (D) None of these

Directions (Q. 48-50): Study the following table carefully to answer the questions given below.

The table shows the number of people working in various department of various organisations.

<table>
<thead>
<tr>
<th>Department</th>
<th>Production</th>
<th>IT</th>
<th>Accounts</th>
<th>Legal</th>
<th>Finance</th>
<th>Marketing</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>1050</td>
<td>1017</td>
<td>1382</td>
<td>786</td>
<td>1542</td>
<td>48</td>
</tr>
<tr>
<td>Q</td>
<td>1015</td>
<td>960</td>
<td>1384</td>
<td>745</td>
<td>1545</td>
<td>54</td>
</tr>
<tr>
<td>R</td>
<td>976</td>
<td>786</td>
<td>1275</td>
<td>801</td>
<td>1550</td>
<td>36</td>
</tr>
<tr>
<td>S</td>
<td>888</td>
<td>1025</td>
<td>1300</td>
<td>800</td>
<td>1570</td>
<td>30</td>
</tr>
<tr>
<td>T</td>
<td>1004</td>
<td>963</td>
<td>1290</td>
<td>735</td>
<td>1580</td>
<td>53</td>
</tr>
</tbody>
</table>

48. What is the total number of employees working in all departments of all the organisations together?
   (A) 28190  (B) 27690
   (C) 28901  (D) 26960

49. What is the ratio of the total number of employees working in Organisation P to the total number of employees working in Organisation T?
   (A) 45 : 233  (B) 225 : 233
   (C) 125 : 233  (D) 233 : 225

50. What is the approximate difference between the average number of people working in the Accounts Departments and that in the Finance Departments of all the organisations together?
   (A) 331  (B) 231
   (3) 430  (4) 546

51. Where is the Indian Railways Institute of Mechanical and Electrical Engineering situated?
   (A) Nasik  (B) Baroda
   (C) Jamalpur  (D) Pune

52. In which institution the training of electric work is being given?
   (A) Indian Railways Institute of Mechanical and Electrical Engineering
   (B) Indian Railways Institute of Electrical Engineering
   (C) Railway Staff College
   (D) Indian Railway Institute of Civil Engineering

53. In India, "Plan holiday" was celebrated after
   (A) China-India war of 1962
   (B) Draft of 1966
   (C) Pakistan war of 1971
   (D) Pakistan war of 1965
54. Where is the Research, Design and Standard Organization situated?
(A) Lucknow (B) Bangalore
(C) Pune (D) New Delhi

55. Hkakabo Razi is a border tripoint among which countries?
(A) India-Nepal-China (B) India-Bhutan-China
(C) India-Bangladesh-Myanmar (D) India-China-Myanmar

56. Which of the following was a Fundamental Right but now it is only a legal right?
(A) Right to Freedom (B) Right to Property
(C) Right to Freedom of Religion (D) Right against Exploitation

57. Allugel tablets used to reduce acidity contain:
(A) Sodium bicarbonate (B) Hydrated sodium carbonate
(C) Sodium carbonate (D) Calcium carbonate

58. Which virus cause Swine Flu?
(A) H1N1 (B) H5N1
(C) H1N5 (D) None of these

59. Which among the following is the universal donor?
(A) O − (B) AB +
(C) A + (D) O +
67. Which wildlife sanctuary gives protection to the lions?
(A) Kaziranga National Park
(B) Dudhwa National Park
(C) Gir National Park
(D) Tungabhadra Sanctuary

68. Who gave the law of universal gravitation?
(A) Galileo (B) Newton
(C) Copernicus (D) Einstein

69. Which river flows in the rift valley between Vindhyा and Satpura mountain ranges?
(A) Narmada (B) Tapti
(C) Godavari (D) Krishna

70. Where was the first university of Modern India established?
(A) Madras (B) Bombay
(C) Calcutta (D) Pune

71. Which of the following country is the new member of World Trade Organisation?
(A) Afghanistan (B) Sri Lanka
(C) Kenya (D) Vietnam

72. Dr. Rabindranath Tagore received the Nobel prize for
(A) Evening songs (B) Morning songs
(C) Gitanjali (D) Gora

73. Hypo, used in photography, is chemically:
(A) silver bromide
(B) sodium thiosulphate
(C) sodium phosphate
(D) silver nitrate

74. Emeralds are made up of:
(A) carbon (B) silica
(C) beryllium (D) gold

75. Anaemia occurs due to the lack of:
(A) iodine (B) calcium
(C) sodium phosphate (D) iron

76. The hottest part in a gas flame is known as:
(A) Luminous zone
(B) Dark zone
(C) Blue zone
(D) Non-luminous zone

77. Protein deficiency disease is known as:
(A) Kwashiorkor
(B) Cushing’s disease
(C) Gaucher’s disease
(D) None of the above

78. In which movement Mahatma Gandhi was
(A) Jalianwala Bagh massacre
(B) Chauri-chaura massacre
(C) Against Rowlatt Act
(D) Non-cooperation Movement

79. Who gave title slogan ‘Dilli Chalo’?
(A) Bhagat Singh
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<th>Options</th>
</tr>
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<tbody>
<tr>
<td>80.</td>
<td>In a binary-digital computer, the machine language is formed by (A) 1 and 2 (B) 0 and 1 (C) 2 and 4 (D) 3 and 5</td>
</tr>
<tr>
<td>81.</td>
<td>The Macmohan line divides (A) India and China (B) India and Pakistan (C) India and Myanmar (D) India and Nepal</td>
</tr>
<tr>
<td>82.</td>
<td>Money is (A) constant in purchasing power (B) acceptable only when it has intrinsic value (C) the most Liquid of all assets (D) None of these</td>
</tr>
<tr>
<td>83.</td>
<td>On which date, the National Voter's day (NVD) is celebrated in India? (A) January 21 (B) January 25 (C) February 10 (D) February 17</td>
</tr>
<tr>
<td>84.</td>
<td>Which cells in our body have the least regenerative power? (A) Brain cells (B) Muscle cells (C) Bone cells (D) Liver cells</td>
</tr>
<tr>
<td>85.</td>
<td>The cells which are responsible for the production of antibodies are (A) red blood cells (B) neutrophils (C) lymphocytes (D) platelets</td>
</tr>
<tr>
<td>86.</td>
<td>Approximately, what fraction of total coal production in the world is shared by India? (A) 5% (B) 8% (C) 11% (D) 14%</td>
</tr>
<tr>
<td>87.</td>
<td>Which among the following animals is known as a natural host of the Ebola virus? (A) Chimpanzees (B) Dogs and Pigs (C) Rats (D) Fruit Bats</td>
</tr>
<tr>
<td>88.</td>
<td>Who has won The Hindu Literary Prize 2015? (A) Janice Pariat (B) Easterine Kire (C) Amitav Ghosh (D) Siddharth Chowdhury</td>
</tr>
<tr>
<td>89.</td>
<td>Seaweeds are important source of (A) fluorine (B) chlorine (C) bromine (D) iodine</td>
</tr>
<tr>
<td>90.</td>
<td>The compound CHCl₃ is commonly known as (A) Ether (B) RDX (C) Dynamite (D) Chloroform</td>
</tr>
<tr>
<td>91.</td>
<td>Which one of the following pairs is correctly matched? (A) Tetanus - BCG (B) Tuberculosis - ATS (C) Malaria - Chloroquin (D) Scurvy - Thiamin</td>
</tr>
</tbody>
</table>
92. Which of the following is not an explosive?
(A) RDX    (B) TNT
(C) Nitroglycerin    (D) Glucosamine

93. Which of these diseases is not covered by the DPT vaccine?
(A) Typhoid    (B) Diphtheria
(C) Whooping Cough    (D) Tetanus

94. Blood is a kind of
(A) Epithelial tissue    (B) Muscle tissue
(C) Nervous tissue    (D) Connective tissue

95. A sanitarium is related to the treatment of
(A) Plague    (B) Cholera
(C) Diabetes    (D) Tuberculosis

96. Energy is produced in human body:
(A) by release of enzymes    (B) by release of hormones
(C) by transfer of oxygen into tissues    (D) by successive disintegration of glucose by enzymes

97. Dynamite mainly contain:
(A) T.N.T.    (B) Nitroglycerine
(C) Picric acid    (D) R.D.X.

98. Butter is an example of
(A) sol    (B) emulsion
(C) gel    (D) foam

99. The ability of a material to be stretched into a wire is known as:
(A) Malleability    (B) Radioactivity
(C) Ductility    (D) Viscosity

100. The Sun gets its energy mainly from the process of:
(A) Fission    (B) Fusion
(C) Radiation    (D) Explosion