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SCHOLARSHIP TEST FOR VII TO VIII MOVING STUDENTS

SAMPLE PAPER (EDGE-VIII COURSE-2017-18)

Time : 2 Hours

Maximum Marks : 200

Please read the instructions carefully. You are allotted 5 minutes specifically for this purpose.

INSTRUCTIONS

- The question paper contains 3 part & total 50 Questions.
(Part-I : Mathematics & Mental Ability) Q.1 to Q.20 of 1 mark each.
(Part-II : General Science) Q.21 to Q.40 of 1 mark each.
(Part-III : English) Q.41 to Q.50 of 1 mark each.
- The OMR sheet given in the examination hall is the Answer Sheet.
- Blank papers, clip boards, log tables, slide rule, calculators, mobile or any other electronic gadgets in any form is not allowed.
- Before answering the paper, fill up the required details in the blank spaces provided in the answer sheet.
- Each Question carries 4 marks. '1' marks will be deducted for each wrong answer. So attempt each question carefully.**

A	B	C	D
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the wrong method for filling the bubble are

(a)	A	B	C	D
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(b)	A	B	C	D
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(c)	A	B	C	D
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The answer of the questions in wrong or any other manner will be treated as wrong.

Name of the candidate

Form Number

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I have read all the instructions and shall abide by them.

I have verified all the information filled in by the candidate.

.....
Signature of the Candidate

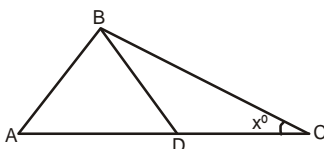
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Signature of the invigilator

PART I : MATHEMATICS & MENTAL ABILITY

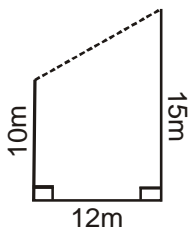
Single Correct Choice Type

This part contains 20 multiple choice questions. Each question has 4 choices (A), (B), (C) and (D) for its answer, out of which **ONLY ONE** is correct.

- $[8 + \{ 5 - (4 \times 3 - 7) - 5 + 3 \times 4 \} + 9] = \dots$
(A) 23 (B) 24 (C) 25 (D) 26
- Product of $3.92 \times 0.1 \times 0.0 \times 6.3$ is
(A) 0.392 (B) 0.1176 (C) 0 (D) 63
- The arithmetic mean of the numbers 4, 9, 3, 2, x, 5 and 1 is 4. The value of x is
(A) 4. (B) 5. (C) 6. (D) 7.
- Solve:** $\frac{x+1}{6} - \left(\frac{7-x}{3} - \frac{1}{4} \right) = \frac{5x-2}{12}$
(A) 20 (B) 21 (C) -21 (D) -20
- In the diagram, If $AB = AD = BD = DC$ then $x^\circ =$



- (A) 30 (B) 35 (C) 45 (D) 60
- Two poles of heights 10 m and 15 m stand upright on the ground. The feet of the poles are 12 m apart.

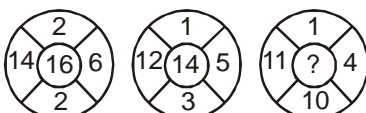


- How far apart are their tops ?
(A) 13 m (B) 14m (C) 15 m (D) 16 m
- What is $1^{-1} + (-1)^1$?
(A) 0 (B) 1 (C) 2 (D) -2
 - How much is $3p^4 + p^3 - 2p^2 + p + 4$ greater than $2p^3 + 7p^2 - 5p + 6$?
(A) $3p^4 + p^3 - 9p^2 + 6p - 2$ (B) $3p^4 - p^3 + 9p^2 + 6p - 2$
(C) $3p^4 - p^3 - 9p^2 + 6p - 2$ (D) $3p^4 - p^3 - 9p^2 + 6p + 2$
 - A circle whose area is 100 times the area of another circle. Then the ratio of their circumferences is -
(A) 100 : 1 (B) 50 : 1 (C) 25 : 1 (D) 10 : 1
 - When a simple interest is charged, a certain principle amounts to Rs. 7400 in 4 years and Rs. 9200 in 7 years. Then the rate of interest is :
(A) 6% (B) 8% (C) 10% (D) 12%

Directions (11 to 13) : Find the missing term :

- 5, 14, 27, 44, 65, ?
(A) 88 (B) 90 (C) 109 (D) 130

12. 2B, 4C, 8E, 14H, ?
 (A) 22L (B) 24L (C) 22K (D) 22M

13. 
 (A) 0 (B) 5 (C) 10 (D) 15

14. If **BOOK** is coded as **43**, what will be the code number for **PEN** ?
 (A) 53 (B) 33 (C) 35 (D) 43

Directions : (15) Arrange the following group such that when arranged in a specific order, meaningful word is formed.

15. **T L E M N A**
1 2 3 4 5 6
 (A) 2,6,4,5,3,1 (B) 3,2,4,6,5,1 (C) 4,3,5,1,6,2 (D) 5,3,2,4,6,1

16. A watch reads 4 : 30. If the minute-hand points to East, in which direction does the hour-hand point ?
 (A) North - East (B) South - East (C) North - West (D) North

17. Correct the following equations by interchanging two signs :
 $16 + 4 \div 2 - 21 \times 7 = 21$
 (A) + and - (B) + and \times (C) - and \div (D) \times and \div

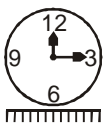
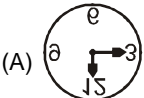
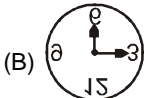
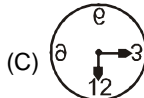
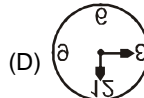
Direction : (18) Find out the correct words from the options to fill in the blanks. The word which is in some way related to the word on the right as well as to the word on its left is the correct answer.

18. 'Smoke' is related to 'pollution' ; in the same way as 'War' is related to _____.
 (A) Victory (B) Death (C) Enemy (D) Army

Direction : (19) Choose the odd one from the given four choices :

19. (A) Monkey (B) Rabbits (C) Whale (D) Shark

Direction : (20) In the following questions you have to visualize the image of the item (Letter / word / number / figures) in the mirror. The mirror is below the item. Choose the mirror image from the alternatives.

20. 
 (A)  (B)  (C)  (D) 

PART II : GENERAL SCIENCE

Single Correct Choice Type

This part contains 20 multiple choice questions. Each question has 4 choices (A), (B), (C) and (D) for its answer, out of which **ONLY ONE** is correct.

21. An object is moving with a speed of 20 km/hr. How much time will it take to travel 100 km?
(A) 2 hr (B) 6 hr
(C) 5 hr (D) data insufficient
22. When we see our face in the inner side of a spoon by placing it at a large distance, we get an image which is
(A) virtual and inverted. (B) real and erect.
(C) real and inverted. (D) virtual and erect.
23. Compact fluorescent lamps,
(A) only CFLs have the ISI mark.
(B) it reduces the wastage of electricity.
(C) it does not contain mercury.
(D) it is easily available as compared to an electric bulb.
24. The wires made from the materials that melt quickly are used for making
(A) electric circuits. (B) electric bulbs.
(C) electric fuses. (D) electric switches.
25. Car A is moving faster than car B. It means that
(A) car A covers less distance than car B in given time.
(B) car B covers more distance than car A in given time.
(C) car A and car B, both cover equal distance in given time.
(D) car A covers more distance than car B in given time.
26. To increase the friction of a muddy ground, it is sprinkled with :
(A) oil. (B) sand and gravel.
(C) grease. (D) talcum powder.
27. When an object is at the centre of curvature of a concave mirror, the image will be formed
(A) at infinity.
(B) at the centre of curvature.
(C) behind the mirror.
(D) between the centre of curvature and focus.
28. Force should be applied on a scale placed between two bricks by putting the weight
(A) at the corner of the scale. (B) at the centre of the scale.
(C) near the first brick. (D) near the second brick.
29. Astronauts wear special suits while floating in space due to
(A) presence of atmospheric pressure. (B) absence of atmospheric pressure.
(C) presence of gravitational force. (D) absence of gravitational force.
30. Pascal measures the
(A) pressure on a body. (B) area of a body.
(C) force on a body. (D) volume of a body.
31. A woolen fabric having a smooth surface is a :
(A) virgin wool (B) worst wool (C) merino wool (D) tender wool

32. The process of sorting fibre according to its quality is called :
(A) scouring (B) roving (C) grading (D) carding
33. The type of medicine used for treating indigestion is :
(A) antibiotic (B) analgesic (C) antacid (D) antiseptic
34. The solution, which will remain colourless with phenolphthalein indicator is :
(A) soap solution (B) calcium hydroxide
(C) vinegar (D) baking soda
35. When a pinch of baking soda is added to vinegar, the gas evolved is :
(A) hydrogen (B) oxygen (C) carbon dioxide (D) nitrogen dioxide
36. Removal of top soil by water, ice or wind is known as
(A) weathering (B) deforestation (C) erosion (D) percolation
37. Soil which is heavy as it hold lot of water and have little air spaces is
(A) loamy (B) clayey (C) sandy (D) silt
38. The non-obtainable item from forests is
(A) wood (B) fodder (C) synthetic fibres (D) paper
39. Nutrients are obtained by the plants from the
(A) humus present in the soil (B) rock particles present in soil
(C) living organisms present in the soil (D) nearby plants
40. Plants store food as
(A) cellulose (B) sugar (C) glucose (D) starch

PART III : ENGLISH
Single Correct Choice Type

Direction (41 to 43) : Fill in the blank with the suitable Conjunction :

41. These tools are old _____ still good
(A) And (B) But (C) Or (D) As
42. Amit is studying _____ Mary is playing.
(A) So (B) Because (C) But (D) Or
43. _____ there is life, there is hope.
(A) Scarcely (B) No sooner than (C) As long as (D) Either

Direction (44) : Fill in the blank by choosing a right determiner from the options given below:

44. The engine seems to have developed _____ problem. That's why we will be delayed.
(A) Any (B) Some (C) Much (D) Few

Direction (45) : Fill in the blank by choosing suitable preposition from the alternatives given below:

45. Robbers broke _____ the house and took away ornaments.
(A) In (B) At (C) With (D) Into

Direction (46) : Select the correct form of adjectives choosing from the options below :

46. Good
(A) Gooder/goodest (B) More good/most good
(C) Better/best (D) None of these

Direction (47) : Fill in the blank with suitable Article from the options given below :

47. He left _____ home without informing anyone
(A) A (B) An (C) The (D) None of these

Direction (48) : Choose the correct noun to fill in the blank from the alternative given :

48. A person of his _____ will get a job
(A) Able (B) Unable (C) Ableness (D) Ability

Direction (49) : Complete the sentence in passive voice (present or past) .

49. My car _____ last week but the next day it _____ by the police.
(A) is stolen / will be pound (B) Was stolen / was found
(C) Stolen / was finding (D) Got steel/is find

Direction (50) : Choose the correct past passive verb from the options given below

50. The stolen jewellery _____ until the robbers confessed
(A) Wasn't find (B) Wasn't finding (C) Wasn't found (D) Didn't find