**V-STAR : 2021-22**

**SCHOLARSHIP EXAM MODEL QUESTIONS**

**CLASS V TO VI**

**MATHEMATICS**

1) If A + B + 45896 = C + D and C + D =96023 + B, then find the value of ‘A’.

 1) 50120 2) 141919 3) 50127 4) 346909

2) If $+$ means $-$ and $- $means$ +$, then find the value of$ 19+17-75+8-4$.

 1) 55 2) 73 3) 75 4) 85

3) What is the difference of the fractions if shaded part in the following figures is

 represented as fractions?

 1) $\frac{7}{10}$ 2) $\frac{7}{30}$

 3)$ \frac{11}{30}$ 4)$ \frac{14}{30}$ Fig (i) Fig (ii)

4) Amelia makes a figure and divides it into some equal parts. Now she shades few parts

 thus decimal representation for the shaded part is 0.03. How many parts of the figure

 is un shaded?

 1) 3 2) 30 3) 7 4) 97

5) Rohit bought an old bicycle for Rs.450 and spent Rs. 85 on its repairing. He sold it

 for Rs. 455. Find the gain or loss?

1) Gain Rs.80 2) Loss Rs.5 3) Loss Rs.80 4) Loss Rs.10

6) Diagram shows a number line.

 What is the product of Y and 36?

1) 3069 2) 110494 3) 3169 4) 110484

7) Keeping the place of 6 in the number 6350947 same, the smallest number obtained

 by re-arranging other digits is

1) 6975430 2) 6034579 3) 6043579 4) 6034759

8) The needles of a clock at 3.10 forms \_\_\_\_\_\_\_\_\_

 1) An acute angle 2) Right angle 3) An obtuse angle 4) Straight angle

9) Which of the following statements satisfies the condition ‘$A+B$ is greater than C $+$ D’.

 1) If C is greater than A, B must be greater than D.

 2) If A is greater than C, D must be greater than B.

 3) If A is greater than D, B must be greater than D.

 4) If D is greater than A, B must be equal to D.

10. Kumar makes 30 equilateral triangles of equal perimeter. He colors 24 triangles

 with red and remaining with blue. Coloring 2 triangles with blue cost as much as

 coloring 3 triangles with red. If coloring 1 triangle with red costs Rs.10/-, then find

 cost of coloring all triangles.

 1) Rs.360/- 2) Rs.350/- 3) Rs.340/- 4) Rs.330/-

11. Look at the outline of some leaves on the square grid paper given below and

 answer the following question.



 The biggest leaf/leaves is/are \_\_\_\_\_\_\_\_ and its area is \_\_\_\_\_\_\_\_\_ sq cm (approx.)

 1) ii and iv, 15 2) iii and iv, 15 3) ii and iv, 16 4) i and iii, 12

12. How many rays are there in the below figure?

 1) 24

2) 22

 3) 23

4) 25

13. With the help of given information, Kumar wants to make a Pictograph.

He choose = 5o C.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| DAY | MON | TUE | WED | THU | FRI | SAT | SUN |
| TEMPARATURE | 15O C | 20O C | 5O C | 25O C | 20O C | 10O C | 20O C |



 How many should he place for WED, SUN and MON together?

 1) 5 2) 7 3) 8 4) 4

14. Find co-prime of 17 such that their LCM be 731.

 1) 42 2) 17 3) 63 4) 43

15. Solve $55÷11×17-78+32$ and write the result in Roman numerals.

 1) XXIX 2) XXVII 3) XXX 4) XXXIX

**PHYSICS**

16) The length of your shadow will be shortest at

1) 12 Noon 2) 10 A.M 3) 5 P.M 4) Same during all times

17) Earth attracts moon by which of the following force?

 1) Electrostatic force 2) Magnetic force

3) Frictional force 4) Gravitational force

18) Arrange the planets in increasing order of their distance from the sun\_\_\_\_.

 a-Mercury b-Mars c-Uranus d-Saturn

 1) abdc 2) adcb 3) adbc 4) abcd

19) Which one of the following is a constellation?

 1) orion 2) leo 3) ursamajor 4) all the above

20) It is not possible to see a burning candle by using a bent pipe because

 1) light gets reflected

 2) light gets absorbed

 3) light travels in straight line

 4) light gets bent along the pipe

21) Which of the given conversion is correct?

 1) 600 s = 6 h 2) 54000 g = 5400 kg

 3) 20 km = 2000 cm 4) 39000 m = 39 km

22) The distance between Chennai and Vijayawada 450 km. Ajay travels from Chennai to Vijayawada by train and again he return from Vijayawada to Chennai, then how much distance he covered.

 1) 450 km 2) 0 km 3) 900 km 4) 1000 km

23) In which case work is done

 1) player kicks a foot ball 2) A man push the wall

 3) A person standing on a platform with a suitcase

 4) drying of food grain in sun

24) Which of the following energy conversion is incorrect?

 1) electric bulb → electrical energy to light energy

 2) battery → chemical energy to electrical energy

 3) photosynthesis → chemical energy to light energy

 4) generator → mechanical energy to electrical energy

25) Which of the following is not a unit of mass?

 1) kilogram 2) quintal 3) pound 4) mile

**CHEMISTRY**

26) Which gas in the air is represented by part-A?

1) Nitrogen 2) Oxygen

3) Carbon dioxide 4) Water vapour

27) Zerodegree Celsius **:** Freezing point of water **::** \_\_\_\_\_\_\_**:** Boiling point of water

1) 110 degree Celsius 2) 100 degree Celsius

3) 120 degree Celsius 4) 98 degree Celsius

28) Which of the following is used in making jewelers?

 1) Copper 2) Iron 3) Aluminium 4) Silver

29) Identify the following one which is made from sandstone.

 1) Gneiss 2) Quartzite 3) Slate 4) Shale

30) The amount of water vapour in the air is called \_\_\_\_\_\_\_\_\_\_\_\_

 1) Wind 2) Ice 3) Humidity 4) Evaporation

31) Identify the solute in salt solution.

 1) Water 2) Salt 3) Sugar 4) Salt water

32) Layers of air surrounding the earth form

 1) The universe 2) Space 3) The atmosphere 4) A galaxy

33) What can be placed at ‘P’ in change of state of matter?

 P

 Gas Liquid$ $

 1) Sublimation 2) Evaporation 3) Freezing 4) Condensation

34) What causes rocks in a stream to become smooth?

 1) Weathering 2) Water currents 3) Earthquakes 4) Movement of fish

35) Match the following

 **COLUMN-I**  **COLUMN-II**

 p) Limestone i) Sand particles

 q) Shale ii) Marble

 r) Sandstone iii) Granite

 s) Gneiss iv) Sediment

 1) p-ii, q-iv, r-i, s-iii 2) p-i, q-ii, r-iii, s-iv

 3) p-ii, q-i, r-iv, s-iii 4) p-iv, q-ii, r-i, s-iii

**BIOLOGY**

36) A baby ‘x’ breathes through its gills , an adult ‘x’ breathes through its lungs on land.

 What is the ‘x’ ?

 1) whale 2) crocodile 3) fish 4) frog

37) Which one of the following adaption is not found in fishes

 1) Air bladder to float on the surface of water

 2) Fins to swim and maintain balance in water

 3) wading limbs to swim & wade 4) Streamline body

38) Picku has some nutritional deficiency disease. He has dentition problem and

 painfulness in bones .which deficiency disease he may have.

 1) Vitamin A deficiency disease 2) Vitamin K deficiency disease

 3) Vitamin E deficiency disease 4) Vitamin D deficiency disease

39) What would you plant in soil to get more number of new rose plants in your garden.

 1) Bud 2) root 3) Stem 4) Both 2 & 3

40) Dispersal of seeds, is important for plants because?

 A) To avoid over-crowding, which result in weak plant

 B) To prevents seed being depended on parent plant body

C) To ensure the plants of particular type spread to new area

 1) A only 2) A & B only 3) A & C only 4) A,B & C only

41) Lemna, Eichornia, wolffia ,pistia are examples of which type of hydrophytes ?

 1) Fixed hydrophytes 2) Floating hydrophytes

 3) Under water hydrophytes 4) Both A and B

42) Scavengers eat

 1) Gross 2) Leaves of plants

 3) Fruits and vegetables 4) Flesh of dead animals

43) Kiwi fight their enemy using

 1) Beak 2) wings

3) claws 4) Both A and B

44) Among the following seeds, which seeds are dispersal by water

1) Lotus 2) Mango 3) Jasmine 4) Apple

45) How many bones are present in our body?

 1) 204 2) 205 3) 206 4) 207

**Maths KEY**

**1) 3 2) 2 3) 3 4) 4 5) 3 6) 4 7) 2**

**8) 1 9) 1 10) 4 11) 3 12) 1 13) 3 14) 4**

**15) 4**

**Phy KEY**

**16) 1 17) 4 18) 1 19) 4 20) 3 21) 4 22) 3**

**23) 1 24) 3 25) 4**

**26) 1 27) 2 28) 4 29) 2 30) 3 31) 2 32) 3**

**33) 2 34) 2 35) 1**

**Bio KEY**

**36) 4 37) 3 38) 4 39) 4 40) 3 41) 2 42) 4**

**43) 3 44) 1 45) 3**