MUGAPPAIR (MAIN CAMPUS) | MEL AYANAMBAKKAM | ANNEXURE | PARUTHIPATTU
ALAPAKKAM | WEST | AVADI | KARAMBAKKAM | POONAMALLEE \| MANGADU | VANAGARAM


SAMPLE QUESTION PAPER : CLASS V

## EXCITING CASH AWARDS UPTO

Students to register for I-QUEST-24 by scanning the QR code

## VELAMMAL NEXUS

## 1-QUEST'24

I - Quest '24 is a talent search exam is opened to Class - V, Class - VI to VIII Foundation and Non Foundation students of Velammal Nexus Schools. It exposes the students for competitive exam based on $21^{\text {st }}$ century skills. This exam is scheduled in the month of February.

区 This sample question paper will give a clarity on topology of the exam.
® Students can solve sample paper during the Pongal holidays.
$\boxtimes$ Solving the sample question paper will give hands on experience and increase the confidence of the students to face the final exam.
$\boxtimes$ Students can seek parents help to solve the questions.

- Similar questions will reflect in the final paper.

区 Answer key will be displayed in the class on 18-01-2024. Children can verify the same.

- Completed question paper to be submitted to the class teacher on 18-01-2024.
® Prepare well for I - Quest '24 exam and grab attractive prizes and cash awards.
GENERAL INSTRUCTIONS FOR THE FINAL EXAM (1-QUEST'24)

| Mode of I - QUEST question paper | Candidates will be given an OMR sheet to mark <br> the answers with a black or blue ballpoint pen |
| :--- | :--- |
| Duration of the exam | 2 hours |
| Question Type | Multiple choice questions |
| Total number of questions | The question paper consists of 50 questions and <br> it is divided into three sections A, B, and C. <br> (Maths, Science \& Reasoning) <br> Candidates will have to answer all 50 questions |
| Total marks | 200 Marks <br> Marking scheme |
| 4 marks will be awarded for each correct <br> answer <br> No marks for unanswered question |  |

## MATHEMATICS

1. Using all the given digits, form the greatest possible 7 - digit even number, if repetition of digits is allowed.

a) 9830000
b) 9998830
c) 9988330
d) 9999830
2. Which of the following options is CORRECT for the fraction of shaded parts in figures I and II?
a) I $>$ II
b) II $>$ I
c) $I=I I$
d) Can't be determined


Figure I


Figure II
3. The given clocks show the time when a movie started and ended. How long was the movie ?
a) 2 hrs 17 mins
b) 2 hrs 20 mins
c) 1 hr 55 mins
d) 3 hrs 22 mins


Movie started


Movie ended
4. Subtract 65 minutes from the sum of 145 minutes and 1 hour 20 minutes. The answer is
a) 165 mins
b) 2 hrs 40 mins
c) 215 mins d) 3 hrs 40 mins
5. Find $P, Q, R$ and $S$ in the given statements.
(i) Commas are inserted in a number after each $\underline{\mathbf{P}}$.
(ii) Place value of a digit becomes $\underline{\mathbf{Q}}$ times as it moves from ten's place to thousand's place.
(iii) There is no Roman numeral to represent $\underline{\mathbf{R}}$.
(iv) $100+100+100$ in Roman numerals is written as S.

|  | $\mathbf{P}$ | $\mathbf{Q}$ | $\mathbf{R}$ | $\mathbf{S}$ |
| :--- | :--- | :---: | :--- | :--- |
| a) | Digit | 100 | 0 | CCC |
| b) | Digit | 10 | 100 | XXX |
| c) | Period | 1000 | 10 | MMM |
| d) | Period | 100 | 0 | CCC |

6. What is the difference in the place value of the digits 8 and 6 in the numeral 8962321 ?
a) 7994000
b) 7904000
c) 7960000
d) 7940000
7. Sum of the factors of 78 is
a) 168
b) 170
c) 167
d) 189
8. The given bar graph shows the number of people like different types of fruits.

Study the graph and answer the question that follows.
If number of people like grapes is double to the number of people like apple, then total number of people in the survey is $\qquad$
a) 1450
b) 1500
c) 1400
d) 1300

9. The missing number in the given box is $\qquad$ $552847=500000+$ $\square$ $+25000+40+7$
a) 2780
b) 278000
c) 27800
d) 2780000
10. Which of the following figures has atleast 3 lines of symmetry ?

a)

b)

c)

d)
11. Which of the following shows the common factors of 12 and 15 ?
a) 1 and 2
b) 1 and 3
c) 2 and 3
d) 3 and 4
12. If

then the weight of

$\qquad$
a) 6 kg
b) 8 kg
c) 9 kg
d) 7 kg
13. Nishanth goes to market to buy six dozens of banana, he has ₹ 500 . The cost of one banana is ₹ 3 . What is the balance amount left with him after buying?
a) ₹ 270
b) ₹ 248
c) ₹ 284
d) ₹ 300
14. Roshan asked a question to Shruthi.
" Multiply the second multiple of 12 by the $3^{\text {rd }}$ multiple of 8 ".
Help her in solving the question. The correct result is $\qquad$
a) 48
b) 96
c) 192
d) 576
15. How many more unit squares must be shaded in order to have $\frac{1}{4}$ of the figure shaded?
a) 7
b) 8
c) 18
d) 25


## SCIENCE

16. What is the adaptation by which a grasshopper protects itself from being eaten by its predator?
a) It tastes bad
b) It can crawl away quickly
c) It can camouflage itself in the grass
d) It has a poisonous sting
17. Read the concept map given below.

Which of the following can organism X be?
a)

b)

c)

d)

18. Where does the food come from when the seed has not grown its leaves?
a) From other trees
b) From air
c) Seed uses its stored food
d) From soil
19. Rickets is caused due to the deficiency of $\qquad$ .
a) Vitamin $B_{1}$
b) Vitamin D
c) Vitamin C
d) Vitamin $B_{3}$
20. When we eat rice, chapati we get a sweet taste after chewing them for some time. What is the reason behind this?
a) This is because rice and chapati are sweet in taste
b) This is because rice and chapati are both white in colour
c) This is because rice and chapati contain proteins which is converted to sugars with the action of gastric juices
d) This is because rice and chapati contain starch which is converted to sugars with the action of saliva
21. Your mother has to work in the kitchen. What advice will you give her?
a) Wear a nylon dress
b) Wear a rayon dress
c) Wear a cotton dress
d) All of these
22. Waves which ranges from 20 Hz to $20,000 \mathrm{~Hz}$ :
a) Cannot be heard by human beings
b) Is hearing range for human beings
c) Hearing range of bat
d) Hearing range of dolphins
23. Kwashiorkor is caused by the deficiency of $\qquad$
a) Vitamin
b) Protein
c) Calcium
d) Zinc
24. Harish is a nature lover. He always wants to act in an eco-friendly way whereas his brother is opposite to him. His brother always throw daily wastes and garbage in open vacant space. What advice Harish should give to his brother to minimize the pollution ?
a) To throw the waste in nearby water source
b) Burn the waste in open
c) Collect them in big polythene and dump at distant open space
d) Separate the wet and dry in different container
25. Observe the given picture. The rock $X$ can be $\qquad$
a) Granite
b) Pumice
c) Marble
d) Shale


## REASONING

26. Select the number from the options that will complete the given series. $20,19,17$, ? $, 10,5$
a) 12
b) 13
c) 14
d) 15
27. Find the missing number, if same rule is followed in all the three figures.

a) 49
b) 37
c) 50
d) 94
28. Select the odd one out.
a) Lion
b) Cat
c) Rabbit
d) Fox
29. If ‘Chocolate' means ‘Toffee', ‘Toffee’ means ‘Cake' and 'Cake’ means 'Butter', then what is cut on birthday ?
a) Cake
b) Butter
c) Toffee
d) Chocolate
30. Find the missing number, if same rule is followed in all the three figures.

a) 12
b) 32
c) 18
d) 29

SYLLABUS FOR THE I -QUEST EXAM ON 03-02-2024

| MATHEMATICS | SCIENCE | REASONING |
| :---: | :---: | :---: |
| NUMBER MORE THAN ONE MILLION | PLANTS AND ANIMALS AND THEIR ADAPTATIONS | SERIES |
| ARITHMETIC OPERATIONS | REPRODUCTION IN PLANTS | ANALOGY |
| FACTORS AND MULTIPLES | HUMAN BODY SYTSTEM AND CARE OF SENSE ORGANS | CLASSIFICATION |
| FRACTIONS | FOOD AND NUTRITION | SEQUENCING |
| VOLUMES, NET AND SYMMETRY | SAFETY AND FIRST AID | ALPHABET TEST |
| BILLS | FORCE, WORK, LIGHT AND SOUND | CODE MESSAGES |
| DATA HANDLING | NON COMMUNICABLE AND COMMUNICABLE DISEASES | MATHEMATICAL OPERATIONS |
| METRIC MEASURES | ENVIRONMENTAL SANITATION | FRACTIONS |
| TIME | NATURAL RESOURCES | - |

## VELAMMAL NEXUS

## I-QUEST' 24

## OMR SHEET



## INSTRUCTIONS FOR MARKING OMR SHEET

1. Use only blue or black ball point pen
2. Circle should be darkened completely and properly
3. Cutting and erasing on the sheet are not allowed 4. Sheet should not be folded or crushed.
4. Don't use marker or white fluid to hide the marking.
CORRECT Methoo OOO
wrong methods ®OஜுO
Candidate Signature
