MACRO VISION ACADEMY, BURHANPUR

Sample Entrance Test paper (2017 – 18)

Class: VIII   **Time: 2 hrs.**   **M.M : 60**

English (15 marks)

Q.1   Read the passage given below and answer the questions that follow :-   5

India is a land of farmers who are very simple and hard working. Their only wealth is their land. If their crop fails, they run into debt and lead a miserable life. They are mostly uneducated. They are not familiar with the new implements and improved methods of farming. They use the same kind of plough as was used many centuries ago.

Our government is trying its best to improve the lot of farmers. They are encouraged to use modern implements, good seeds and manure. They are given loans at a low rate of interest. Development Blocks have been opened all over the country. These blocks supply superior seeds and good manure to farmers. Fortunately most of the farmers have started to use new methods of farming and will soon become happier.

Answer the following questions choosing correct options from the brackets :- (any 5)

(i) The life of a farmer is miserable because -

(a) He is not hard working (b) He has many children.   (c) He is not educated.

(ii) The phrase 'run into debt' means -

(a) Lend money   (b) Borrow money   (c) Become poor

(iii) The farmers will soon be come happier because -

(a) They are using new methods   (b) Spending less   (c) They are working hard.

(iv) The government has started development blocks for -

(a) Collecting taxes   (b) Progress of the country   (c) Spending much money

(v) What is their only wealth ?

(a) Sky   (b) Land   (c) House

(vi) The closest meaning of the word 'Loan' is -

(a) Money borrowed   (b) Gift   (c) Wealth

Q.2   Write a paragraph on any one topic.   3

i) My Favourite Serial   ii) Benefits of reading book

Q.3   Rearrange the following into meaningful sentence –(any 1)   1

(a) have / won / the match / Hurrah! / we

(b) me / about / your / tell / new book

Q.4   Choose the right preposition of place: 2

1. My mother is _____the kitchen. (in / on)

2. There is a vase and fruits _____the tabletop. (on/into)

Q.5   Change the following into passive and choose the right option given below -   2

(i) He killed a lion.

(a) A lion killed by him.   (b) A lion was killed by him.

(c) He is being killed by lion.   (d) A lion is killing by him.

(ii) They are narrating a story.

(a) A story is narrated by them.   (b) A story was narrated by them.

(c) A story is being narrated by them.   (d) They narrated a story.

Q.6 **Read the following statement in the direct speech and choose the best alternative from the options in 'Indirect speech' to complete the following.**   **2**

1. Rupa said, " The doll is mine."

Rupa said that _____.

(a) the doll was hers.   (b) the doll was his   (c) the doll will be his   (d) the doll is hers.

2. He said, " He has done his work."

He said that _____.

(a) he had done his work.   (b) he will have done my work .

(c) he did his work.   (d) None of these

Mathematics (25 marks)

Q.1 **Choose the correct answer:**   **5**

1. $\left[36 \div (-9)\right] \div \left[(-24) \div 6\right]$ is equal to :

(a) 1   (b) – 1   (c) 4   (d) – 4

2. Which of the following is not a linear equation?

(a) $x^2 = 20$ (b) $p - 1 = 0$ (c) $2y = 18$ (d) $2x + 4 = 11$

3. The standard form of $\dfrac{22}{-99}$ is :

(a) $\dfrac{20}{-90}$ (b) $\dfrac{22}{-99}$ (c) $\dfrac{-99}{22}$ (d) $\dfrac{-2}{9}$

4. x added to 4 gives 5 can be expressed as :

(a) 4 – x = 5   (b) x + 4 = 5   (c) x – 4 = 5   (d) x + 5 = 4

5. Number of months in $\dfrac{3}{5}$ of a century are :

(a) 500 months   (b) 60 months   (c) 420 months   (d) 720 months

Q.2 **Solve the following:**   **8**

1. Simplify : $\dfrac{8}{25} \times \dfrac{55}{22} \div 2\dfrac{1}{11} \times \dfrac{4}{9}$

2. Express the following rational numbers as decimals :

(i) $\dfrac{4}{5}$ (ii) $\dfrac{5}{8}$

3. Solve the equation : $3x - 2 = 10$

4. Find the angles of a triangle which are in the ratio 2:3:4.

Q.3 **Solve the following:**   **12**

1. Solve the equation $9x - 5(2x - 3) = 1 - 2x$.

2. Arrange the following rational numbers in descending order : $\dfrac{2}{5}, \dfrac{-1}{4}, \dfrac{9}{-10}, \dfrac{-7}{-12}$

3. A tall three is broken at a height of 8 m from the ground and its top touches the ground at distance of 15 m from. The base of the tree. Find the original height of the tree.

4. If 75000 is divided among A, B and C in the ratio 6 : 5 : 4, then find how much is the share of each.

Science (15 marks)

Q.1   Choose the correct answer: **5**
1. The green colour of plants is due to presence of
   (a) lencoplast   (b) chlorophyll   (c) photosphere   (d) phytochrome
2. Antacid is used to treat:
   (a) Common cold   (b) Maleria   (c) Head ache   (d) Indigestion
3. RBCs present in blood is responsible for -
   (a) Transport of urea   (b) Protecting against infection
   (c) To carry oxygen   (d) Clotting of blood
4. Some animals go into deep summer sleep to escape the heat. This summer sleep is called.
   (a) Hibernation   (b) Aestivation   (c) Migration   (d) All of these
5. Identify the characteristic that belongs to an acid
   (a) changes red litmus to blue   (b) is colourless by nature
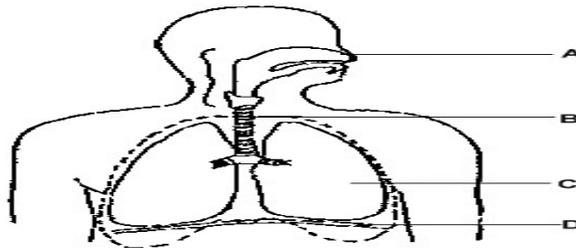   (c) reacts with a base to form a salt   (d) is used in most of the cleaning agents.

Q.2   **Answer the following questions in one word:**   **3**
1. The common name of calcium carbonate.
2. The produced of male and female gamete after the fertilization process.
3. Large chunk of ice which float in the oceans.

Q.3   **Answer the following questions**   **5**
1. What is food chain?
2. What do you understand by a mirror and a lens?
3. What is respiration?
4. Differentiate between periodic and non-periodic motion with example.
5. What is the role of stomata in plant cells?

Q.4   **Label the diagram of human respiratory system**   **2**

Hindi 5 Mark

प्रश्न–1 अपने पिताजी को छात्रावास की सुविधा का वर्णन करते हुए पत्र लिखिए।   **5**

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