



MACRO VISION ACADEMY, BURHANPUR

Entrance Sample Paper (2019-20)

Class: VIII

Time: 1:30 Hrs.

M.M.: 60

English (15 Marks)

I. Read the passage on "Invaluable Natural Vegetation" and answer the following questions: 5

People are familiar with a very common tree for its medicinal properties, the Neem is recognized by few despite its distinctive, curved leaves and annual profusion of star-shaped sweet scented flowers. It is a medium sized or large tree with a straight trunk and evergreen, a native of India, Myanmar and Sri Lanka.

Young leaves are a pale, tender green tinged with rust. These are eaten on New year days to ward off sickness during the coming year. Some people whom the tree is sacred also Fastoon Fresh leaves across their houses when there is an epidemic of Chickern pox or to keep out evil spirits away when there is a birth or death. Dried leaves put in drawers or cupboard keep out moths and cockroaches. Another use for these magic leaves is in poultice form for healing wounds. From the yellow fruits is obtained the famous Margosa oil so effective in the treatment of leprosy and skin disease. External application of oil from seed is believed to cure rheumatism. The bark and gum yield valuable medicines. In fact, every part of this tree is of some value.

Neem timber is beautifully notted hard and heavy and is used for ship building cards and furniture. Wood from old trees is so bitter that mo insects will attack it.

Choose the correct option:

1. The Neem tree is mainly well known for
(a) Its bitter leaves (b) Its shade (c) Its twigs (d) Its medicinal properties
2. The Neem can be recognized by
(a) Curved leaves (b) A triangular
(c) A half shaped moon (d) None of these
3. Some people believe that the leaves of the Neem tree keep away the Epidemic of _____
(a) Cholera (b) Chicken pox (c) Influenza (d) None of these
4. What is so effective in the treatment of leprosy and skin.
(a) Mangosa oil extated from the yellow fruits
(b) Green leaves of Neem (c) Shadow of Neem (d) Bark of Neem
5. The word 'Familiar' means:
(a) Very old (b) Out break (c) Expansion (d) Well-known

II. 1) Change the following sentences into passive voice:

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- a). Many countries will play Indian Premier League match.
- b). My mother has written an application.
- c). They were planting trees.
- d). We should look after their grandparents.

2. Fill in the blanks with the correct form of verbs according to the tenses given in the brackets. 2
- Rama _____ (prepare) his speech by Tuesday. (Future Prefect Tense)
 - They _____ (play) football in the stadium last evening. (Past Continuous Tense)
 - The enemy _____ (surround) it from all sides. (Present Perfect Tense)
 - Ravi _____ (have) to cross the main road to reach the park. (Simple Past Tense)

III. Change the following sentence into 'Indirect Speech': (Any-2) 2

- Hari said, "I am not going to Delhi today".
- Gopi said to her, "Did you enjoy the trip to Jaipur?"
- The teacher said to his students, "Go away at once".

IV. Choose the correct 'conjunction' given in brackets: 1

- They have reached the stadium on time _____ the match started late. (and/but)
- Nikita is happy _____ her sister is here. (because/so that)

V. You have recently joined a residential school in Delhi. Write a letter to your mother describing your new school and hostel life.

or 3

Write an application to the Principal of your school requesting him to change your section.

Mathematics (25 Marks)

I. Choose the correct answer: 5

- The smallest negative integer is
 (a) 1 (b) - 1 (c) 0 (d) Not determined
- The perimeter of rectangle, $10\frac{1}{3}$ m long and $6\frac{2}{5}$ m wide is
 (a) $10\frac{1}{5}$ m (b) $16\frac{11}{15}$ m (c) $33\frac{7}{15}$ m (d) None of these
- The value of the expression $(3^2)^3$ is
 (a) 3^5 (b) 3^6 (c) 3^8 (d) 3
- Which of the following is not a 3-D shape?
 (a) Cube (b) Prism (c) Sphere (d) Trapezium
- The mean of first eight whole number is
 (a) 4.5 (b) 3.5 (c) 3

II. Solve the following: 8

- Simplify: $26 - 6 \times 2$ of $9 + (40 - 20) \div 5$.
- The base of a parallelogram is twice its height. If its area is 722m^2 , Find the Base.
- Simplify: $\left(\frac{6}{11} \times \frac{-4}{15}\right) - \left(\frac{1}{10} \div \frac{-5}{12}\right)$.
- If $x = 2$ then find the value of $4x^2 - 3x + 1$.

III. Solve the following: (Any-4)**12**

1. Hema secures 84% marks in Hindi paper. If the maximum marks in the paper are 150 find the marks earned by her in the paper.
2. If the angles of a triangle are in the ratio 1:2:3, determine three angles.
3. A man goes 15m due west and then 8m due north. How far is he from the starting point?
4. The runs scored in a cricket match by 11 players are as follows 6, 15, 120, 50, 100, 80, 10, 15, 8, 10, 10. Find the mean, median and mode of this data.
5. Arrange $\frac{-3}{10}, \frac{17}{-30}, \frac{7}{-15}, \frac{7}{-20}$ in ascending order

Science (15 Marks)**I. Choose the correct answer:****5**

1. Which of the following is a total parasite?
(a) Rafflesia (b) Mushroom (c) Sunflower (d) Mucor
2. Rearing of fish is called
(a) Sericulture (b) Pisciculture (c) Apiculture (d) Agriculture
3. Which one of these is a very weak acid?
(a) Hydrochloric acid (b) Nitric acid (c) Sulphuric acid (d) Citric acid
4. Potato is a
(a) Rhizome (b) Stem tuber (c) Root tuber (d) Corn
5. Time period of a pendulum depends upon:
(a) The size of the bob (b) The mass of the bob
(c) The length of the pendulum (d) The extent of displacement of the bob

II. Answer the following in one word:**3**

1. The process which converts iron into iron oxide in the presence of moisture and air.
2. Animals adapted to live on trees.
3. Distance covered by a body in unit time.

III. Answer the following questions:**5**

1. What do you understand by water table?
2. What is algal bloom?
3. What is a magnifying glass?
4. Name the respiratory organ in fish.
5. Define translocation of food.

IV. Draw a well labeled diagram of excretory system in human:**2****हिन्दी (Marks 5)****प्रश्न:1** किसी एक विषय पर अनुच्छेद लिखिए—**5**

(क) पुस्तकालय (ख) जीवन में खेलों का महत्व

अथवा

मालिक और नौकर के बीच संवाद लिखिए। (नौकर द्वारा दस दिन की छुट्टी माँगने के संबंध में)