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**DAV PUBLIC SCHOOLS, ODISHA ZONE
HALF YEARLY EXAMINATION, 2023- 2024**

- Check that this question paper contains **3** printed pages and **10** questions.
- Write down the serial number of the question in the left side of the margin before attempting it.

**CLASS – IV
SUB : SCIENCE**

Time : 2 Hours

Maximum Marks : 50

General Instructions:

- Read the question paper carefully.
- This question paper contains 3 sections.
Section A contains 1 mark questions, section B contains 2 marks questions and section C contains 3 & 4 marks questions.
- Write in neat and legible handwriting.
- Verify your answers before submission.
- There are some choice based questions. Attempt any one in such cases.

SECTION – A

Q.1 Choose the most appropriate answer.

(5x1=5)

- a) This plant has a tap root -
- | | |
|-----------|------------|
| i) Grass | ii) Wheat |
| iii) Rose | iv) Banana |
- b) The back of the tongue is sensitive to -
- | | |
|-----------------|------------------|
| i) Sweet taste | ii) Salty taste |
| iii) Sour taste | iv) Bitter taste |
- c) This flower is useful for curing wounds and injuries -
- | | |
|-------------|------------|
| i) Jasmine | ii) Keora |
| iii) Arnica | iv) Banana |
- d) These plants shed their leaves gradually-
- | | |
|-----------------------|-----------------------------------|
| i) Plants of Hills | ii) Plants of hot and wet regions |
| iii) Plants of desert | iv) None of these |
- e) Planting of more trees will help in
- | | |
|------------------------------|-------------------------------------|
| i) Increase in rainfall | ii) Reducing the ground water level |
| iii) Setting up of factories | iv) All of the above |

Q.2 Fill in the blanks (5x1=5)

- a) Flies can transfer _____ to uncovered food.
- b) A _____ is a very wet, muddy area on land.
- c) Oil extracted from cloves, is used as a _____.
- d) Hydrilla plant increases the _____ content of water.
- e) Use of water sprinkler for irrigation reduces the _____ of water.

Q.3 Express in one word. (5x1=5)

- a) A problem in which body tends to lose too much of water through stools-
- b) It is the largest fruit in the world-
- c) Plants which grow on land are called-
- d) It is known as the blue planet -
- e) Cutting of trees on a large scale-

Q.4 Name two of each. (5x1=5)

- a) Organs which pour their digestive juices to the small intestine -
- b) Cultivated plants -
- c) Fruits used to make pickles -
- d) Salty water sources-
- e) Flowers used to make colours –

Q.5 Answer in one sentence. (4x1=4)

- a) Write the two main functions of roots of a plant.
- b) How do green leaves help a bud?
- c) Define ploughing.
- d) State the meaning of 'seasonal flowers'.

SECTION – B

Q.6 Give reason: (2x2=4)

- a) In mangrove plants, aerial roots come out of the soil.
- b) Washing of fruits and vegetables is important for us.

OR

Chappati chewed for a longer time tastes a little sweet.

Q.7 Answer the following questions. (3x2=6)

- a) Mona's mother often tells her not to eat too many sweets and chocolates.
Why do you think, she says so?
- b) State any two utility of dams.
- c) How is cactus plant able to grow in desert condition?

OR

How does the conical shape help the plants of hills?

SECTION – C

Q.8 Answer the following questions.

(3x3=9)

- a) Roots of Banyan Tree and Maize are ‘special’. Justify
- b) State any three uses of fruits.
- c) List any three ways of conserving water.

OR

Explain any three factors that are responsible for water scarcity.

Q.9 Rajat, a young boy visited his grandparents during vacation. He was very excited by seeing the village scenery. Next morning, he went to the crop field with his grandfather. His grandfather made him sit under a tree and started working in the field. Rajat was surprised to see his grandfather uprooting some plants from the field. So he went to him and asked about this. His grandfather made him understand about the unwanted plants called weeds. Then Rajat also started uprooting those plants to help his grandfather. **(1+2=3)**

- a) State the values displayed by Rajat.
- b) Weeds should be removed from the crop fields. Justify

Q.10 Draw the diagram of Human Digestive System and label its different parts. **(1x4=4)**

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