



BURARI PUBLIC SCHOOL

...a venture with **UNIQUE**

PERIODIC TEST – IV ASSIGNMENT

CLASS: VII

SUBJECT- SCIENCE

Date ___/___/___

Time:

M.M.: 40

Name: Roll No..... T. sign.....

General Instructions:

- (i) This assignment comprises 21 questions. All questions are compulsory.
- (ii) This assignment is divided into five sections – A, B, C, D and E.
- (iii) **Section A**-Question Nos. 1 to 10 are multiple choice type questions. Each question carries 1 mark.
- (iv) **Section B**-Question Nos. 11 to 16 are very short answer type questions. Each question carries 2 marks.
- (v) **Section C**-Question Nos. 17 to 19 are short answer type questions. Each question carries 3 marks.
- (vi) **Section D**-Question No.20 is a case-based unit of assessment carrying 4 marks.
- (vii) **Section E**-Question No.21 is a long answer type question carrying 5 marks.

SECTION A

10 Marks

Choose the correct option.

- Q1.** The process by which seed grows into a new plant is called _____ 1
(a) Pollination (b) Fertilisation
(c) Germination (d) Reproduction
- Q2.** Where does fertilisation takes place in a flower? 1
(a) Anther (b) Stigma
(c) Ovary (d) petal
- Q3.** Seeds dispersed by wind are usually 1
(a) Heavy and hard (b) Light and Hairy
(c) Big and juicy (d) Thick and rough
- Q4.** Decomposers help the forest by 1
(a) Making soil infertile (b) Recycling nutrients
(c) Destroying plants (d) Increasing pollution

Q5. The place where wastewater is treated is called _____ **1**
(a) Water tank (b) Sewage system
(c) Waste water treatment plant (WWTP) (d) Canal

Q6. The solid waste that settles at the bottom during treatment is called _____ **1**
(a) Sludge (b) Pollutants
(c) Foam (d) Oil

Q7. Untreated sewage released into rivers causes _____ **1**
(a) Clean water (b) Water pollution
(c) Rainfall (d) Irrigation

Q8. Which of the following is formed is a forest product? **1**
(a) Plastic (b) Rubber
(c) Cement (d) Steel

For question numbers 9-10, two statements are given—one labelled Assertion (A) and the other labelled Reason (R). Select the correct answer to these questions from the codes (a), (b), (c), and (d) as given below:

- (a) Both A and R are true, and R is the correct explanation of A.
- (b) Both A and R are true, but R is not the correct explanation of A.
- (c) A is true, but R is false.
- (d) A is false, but R is true.

Q9. Assertion (A): Forests are our lifeline. **1**
Reason (R): Deforestation causes flood and soil erosion.

Q10. Assertion (A): Vegetative propagation is a type of asexual reproduction. **1**
Reason (R): It does not involve formation of seeds.

SECTION B

12 Marks

Q11. Mention any two advantages of vegetative propagation. **2**

Q12. Draw the male and female reproductive part of a flower. **2**

Q13. Name two water borne diseases caused by improper drainage system. **2**

Q14. What are the various types of on-site sewage disposal systems? **2**

Q15. Give examples for the following type of pollutants present in sewage. **2**
i. Organic pollutant ii. Inorganic pollutant

- Q16.** i. Define food chain
ii. Draw a flow chart representing the food chain. **2**

SECTION C

9 Marks

- Q17.** i. Differentiate between self and cross pollination. **3**
ii. Name two agents of pollination.
- Q18.** How are sewer, sewerage and sewage interlinked? **3**
- Q19.** Discuss in detail about different layers of forest. **3**

SECTION D

4 Marks

Read the given passage carefully and answer the following questions.

Q20. All living organisms need food, water and oxygen for survival. They need to transport all these to various parts of their body. Further, animals need to transport wastes to parts from where they can be removed. The methods of transportation of substances are different in plants and animals. The system of animals responsible for transportation of materials is called Circulatory system.

- i. State two characteristics of sexual reproduction.
ii. Write the mode of asexual reproduction in:
(a) Amoeba (b) Yeast

SECTION E

5 Marks

- Q22.** i. Forests are called green lungs of the earth. Why?
- ii. How do plants maintain balance between oxygen and carbon-dioxide with help of diagram.
- iii. Mention two uses of forest.