



DELHI PUBLIC SCHOOL NEWTOWN
SESSION 2021-2022
MONDAY TEST

CLASS: IX
SUBJECT: BIOLOGY

FULL MARKS: 40
DATE: 28.6.2021

General Instructions:

- The paper consists of two printed pages.
- Answers should be to the point.
- Copy the question number carefully before answering the questions.
- Marks will be deducted for spelling errors.

1. Name the following: [5]

- a. The longest cell in the animal body.
- b. A hard, porous animal tissue.
- c. The tissue found in salivary glands.
- d. The perianth which is green in colour.
- e. A pigment present in cell sap of the vacuole.

2. Fill in the blanks: [5]

Each unit of an androecium is known as i. Each unit consists of a long ii and an anther attached to its extremity. The anther is usually two lobed. Each lobe has two iii and within these are contained iv. Fourth whorl of a flower is known as v.

3. Differentiate between the following according to the criterion given in the brackets: [5]

- a. Bract and Perianth (Definition)
- b. Squamous and Cuboidal Epithelial Tissue (Any one location).
- c. Blood and Lymph (Any one function)
- d. Placentation and Inflorescence (Definition)
- e. Chromoplast and Leucoplast (Function)

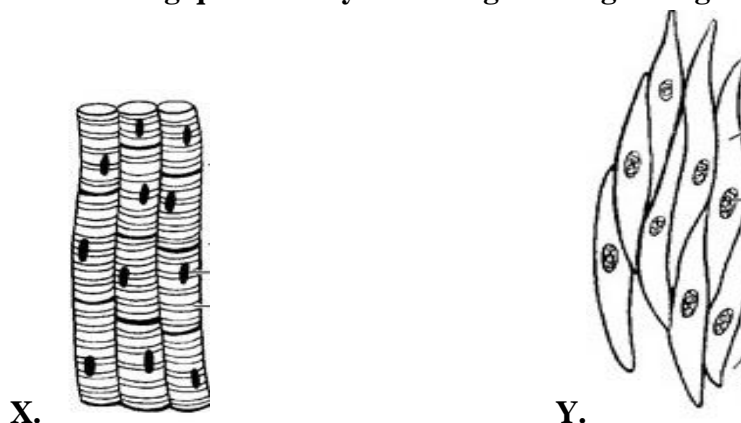
4. Answer the following questions: [5]

- i. Draw a neat labelled diagram of an animal cell.
- ii. Why is nucleus known as “the brain of the cell”?

5. Give reasons for the following: [5]

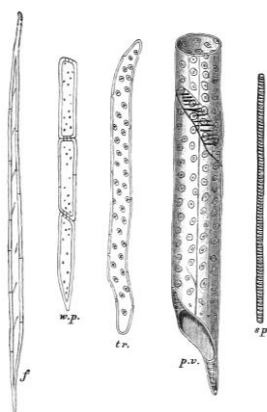
- i. Papaya is a dioecious plant.
- ii. Nasturtium flowers have nectaries present in them.
- iii. Lining of the trachea has ciliated epithelium.
- iv. Parenchyma cells have a large vacuole.
- v. Lysosomes are known as suicidal bag.

6. Answer the following questions by observing the diagrams given below: [5]



- i. Identify X and Y and mention the functions of both X and Y.
- ii. Mention the location of X and Y both.

7. Observe the diagram given below and answer the following questions: [5]



- i. Identify the tissue.
 - ii. Is this a simple or a complex tissue? Justify your answer.
 - iii. Is there any other tissue belonging to the same category as written by you in "ii"? Then mention the name of that tissue and state the function of that tissue.
 - iv. Name the cell present in this tissue which helps in storage.
8. Give proper term for each of the following: [5]
- i. A condition in which sepals are united.
 - ii. Androecium in which filaments are united in two bundles.
 - iii. The cushion like swollen region in the ovary attaching the ovules to the wall of the ovary.
 - iv. Group of nectar secreting cells.
 - v. Flowers in which only stamens are present.