

Instructions: Read the question paper carefully. Write neatly and legibly. Do not over write. Pay special attention to spelling. Read the answers before submitting the answer sheet.

Section A

1. Choose the correct option.

1. This is the milk sugar

- a) Starch
- b) Lactose
- c) Sucrose
- d) Glucose

2. Stomata are pores present on the surface of leaves surrounded by

- a) Guard cells
- b) Epidermal cells
- c) Mesophyll cells
- d) None of these

3. Tentacles are present in

- a) Hydra
- b) Tape worm
- c) Cockroach
- d) None of these

4. Four chambered heart is found in

- a) Birds
- b) Mammals
- c) Amphibians
- d) Birds and Mammals

5. Maize is -

- a) A gymnosperm
- b) An angiosperm
- c) a fern
- d) a bryophyte

6. Aquatic nonflowering plants are -

- a) Algae
- b) Bryophyte
- c) Fungi
- d) Pteridophyte

7. Blood is a

- a) Connective tissue
- b) Epithelial tissue
- c) Supportive tissue
- d) conducting tissue

8. The nucleus is absent in

- a) Parenchyma cells
- b) Red blood cells
- c) Squamous epithelial cells
- d) Neurons

II. Fill in the blanks -

1. _____ tissues forms covering of body
2. Xylem and phloem form _____ tissue in plants.
3. The leaves of fern bear _____ on their under surface.
4. In _____ seeds are not enclosed in a fruit.

5. Centipede and millipede are examples of _____
6. Invertebrates with jointed legs are called _____
7. Chlorophyll traps energy's from _____
8. Starch turns colour of _____ from purple to bluish-black

III. Give one word -

1. Animals that can live both on land and in water.
2. Excretory organs of segmented worms.
3. The underground stem of pteridophytes.
4. The system in which living and non-living environments interact.

IV. Match the columns.

- | | | |
|-----------------------------------|---|-----------------|
| 1. Bread mould | - | Pisces |
| 2. Body with small pores all over | - | Glucose |
| 3. Two chambered heart | - | Closed at night |
| 4. Product of photosynthesis | - | a saprophyte |
| 5. Starch | - | Porifera |
| 6. Stomata | - | storage |

Section B (Attempt any four)

- 1.a) Why are green plants called autotrophs?
- b) Write short notes on 1.mammals 2.arthropods

- II. a) Name the raw materials needed for photosynthesis.
- b) Why Kangaroo keeps her young ones in an abdominal pouch?

- III.a) Name any two diseases caused by bacteria?
- b) Mention two divisions of angiosperms. Give two examples of each division.

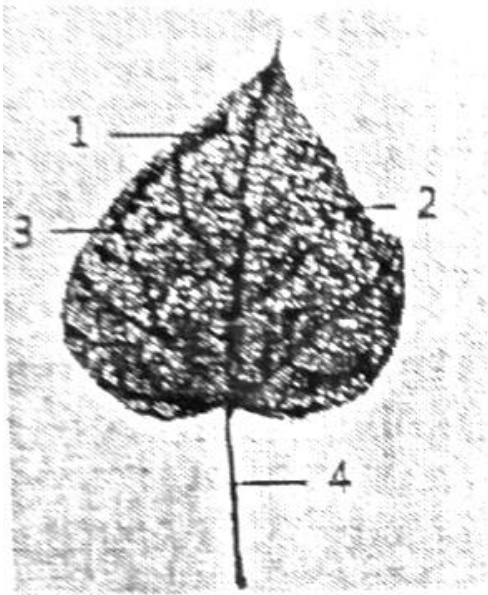
IV. a) What does "photo" represents in term photosynthesis?

b) Draw and label open and close stomata.

V. a) White blood cells are called "soldiers of body" why?

b) Earthworms are called farmers friend why?

VI. Look at the picture of leaf and answer the questions



a) Label the parts 1-4.

b) How does a leaf get carbon dioxide from air?

c) Which part of the leaf carries out photosynthesis?