

2. Write short answers to any FIVE (5) questions: 10

- i Differentiate between vegetative and reproductive parts of mustard plant.
- ii Name the two types of tissues in stomach.
- iii Distinguish between colonial and multicellular level of organization.
- iv Why experiments are performed?
- v Define biological problem.
- vi What is a productive theory?
- vii What is difference between phagocytosis and pinocytosis?
- viii Define plasmolysis.

3. Write short answers to any FIVE (5) questions: 10

- i Write the scientific name of onion and house crow
- ii Define endangered species and give an example.

iii Define cell cycle.

iv Why mitosis does not occur in prokaryotes?

v How cytokinesis occur in animal cells?

vi Draw the labelled diagram of crossing over.

vii Define bioenergetics.

viii How lactic acid fermentation take place in skeleton muscles?

4. Write short answers to any FIVE (5) questions: 10

i What are the benefits of biocatalysts?

ii Write name of four enzymes.

iii Write two characteristics of enzymes.

iv What are the health risks if we take more saturated fatty acid in our diet?

v What is diarrhoea? What are its symptoms?

vi What is leukemia? Write its causes.

vii What are root hairs? Write their role.

viii What are the symptoms of dengue fever?

PART - II

Note: Attempt any Two questions.

5. (a) Describe organelle and cell level. 4

(b) What are compound tissues? Explain its types. 5

6. (a) Explain taxonomic heirarchy. 4

(b) Explain the role of chlorophyll and light in photosynthesis.

7. (a) Define dietary fibres. Explain its types and their benefit 4

(b) Describe pressure flow mechanism in detail. 5