

(a) Guard (b) Mesophyll (c) Paracymbriae (d) Antheridium

SECTION-B

(Short Answers)

Note: Answer any **EIGHT** of the following questions.

- Q.1 How stomach lining are protected from acidic environment?
- Q.2 Why meiosis-I is called reduction division?
- Q.3 Why, Enzymes are specific in nature?
- Q.4 Why veins contain semi lunar valves in it?
- Q.5 How humidity affects the transpiration?
- Q.6 Why cell membranes is semi permeable in nature?
- Q.7 What is anemia?
- Q.8 How electron microscope is different from simple compound microscope?
- Q.9 Why living organisms need nitrogen? How it affects the plants?
- Q.10 What is anaerobic respiration?
- Q.11 Draw a neat & labeled diagram of volvox?
- Q.12 Why cyan bacteria are placed in kingdom monera?

SECTION- C

(Deceptive answers)

Note: Answer any **FOUR** of the following questions, Each question carries 06 marks.

- Q.13 Discuss factors affecting enzyme activity.
- Q.14 Describe effects of malnutrition on human health.
- Q.15 What is taxonomic hierarchy? Explain aims of classification.
- Q.16 Describe the mechanism of opening & closing of stomata.
- Q.17 Explain chloroplast as light trapping & storage organelle.
- Q.18 Discuss significance of transpiration.