

Roll No.(in figures): (in words):

Maximum Marks: 48

(SUBJECTIVE TYPE)

Time Allowed :1.45 Hours

PART - I

Q2. Write short answers to any FIVE (5) questions: (5×2=10)

- (i) What is biosphere level?
- (ii) What do you mean by horticulture and how is it related to agriculture?
- (iii) Give two examples of qualitative and quantitative observations.
- (iv) Why female mosquito, before drawing blood injects saliva in the body?
- (v) What is endangered species? Give an example.
- (vi) How do we write scientific name? Give an example.
- (vii) Why endoplasmic reticulum is called rough and smooth endoplasmic reticulum?
- (viii) What is the difference between primary cell wall and secondary cell wall?

Q3. Write short answers to any FIVE (5) questions: (5×2=10)

- (i) Differentiate between somatic cells and germ line cells.
- (ii) Write four phases of karyokinesis.
- (iii) Differentiate between benign and malignant tumors.
- (iv) What are the functions of co-enzymes?
- (v) Write the uses of enzymes in paper and food industry.
- (vi) How is soya sauce made?
- (vii) Define glycolysis. Where does this process occur?
- (viii) Define photosynthesis.

Q4. Write short answers to any FIVE (5) questions: (5×2=10)

- (i) Define transpiration.
- (ii) Write two reasons of creation of transpiration pull.
- (iii) Why is bleeding occurred in dengue fever?
- (iv) What do you mean by pulse?
- (v) Differentiate between major minerals and trace minerals.
- (vi) What is kwashiorkor?
- (vii) What do you mean by peristalsis?
- (viii) Write any two functions of liver.

PART - II

Note: Attempt any TWO questions. (2×9=18)

- Q5. (a) Describe contributions of Muslim Scientists in the field of biology. 4
- (b) Explain types of epithelial tissue. 5
- Q6. (a) Describe the mechanism of enzyme action. 4
- (b) Define the term light reaction and describe its summary of events. 5
- Q7. (a) Write a note on balanced diet. 4
- (b) What is meant by pulmonary circulation? Explain it. 5