

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 do you mean by horticulture?
- (ii) Define highest level in levels of organization.
- (iii) Define the term bioinformatics.
- (iv) What do you mean by incubation period?
- (v) Define species and give an example.
- (vi) Discuss viruses are living or non living.
- (vii) Define facilitated diffusion.
- (viii) Distinguish between simple tissues and compound tissues of plants.

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

- (i) What is difference between mitosis and meiosis?
- (ii) What is cytokinesis?
- (iii) Write the name of four phases of karyokinesis.
- (iv) Name three important vitamins which are used as co-enzyme.
- (v) What do you mean by activation energy?
- (vi) Write names of main stages of Aerobic respiration.
- (vii) Define Anaerobic respiration.
- (viii) When and who discovered ATP?

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

- (i) Write down the dietary sources of proteins.
- (ii) Describe the deficiency symptoms of vitamin C.
- (iii) Define the term balanced diet.
- (iv) What is meant by obesity?
- (v) Differentiate between arteries and veins.
- (vi) What is meant by source and sink according to pressure flow mechanism?
- (vii) Define the terms cardiac cycle and heart beat.
- (viii) Write down the symptoms of dengue fever.

PART - II

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

- Q5. (a) How biology is linked with Physics, Chemistry, Mathematics and Geography? Explain. 4
- (b) What are muscle tissues? Explain its three kinds. 5
- Q6. (a) Write any four characteristics of Enzymes. 4
- (b) Define light reaction of photosynthesis and describe its summary of events. 5
- Q7. (a) Describe the effects of malnutrition. 4
- (b) Describe food transport in plants. 5