





## Section B

**Answer the following in short (Any 8)**

**(16)**

- Q3. Distinguish between class-chondrichthyes and Osteichthyes.
- Q4. What are viruses? Name one viral disease in humans.
- Q5. Write a note on “ Chlorophyceae”.
- Q6. List the functions of Mitochondria.
- Q7. Write a note on “ Parenchyma”.
- Q8. Sketch and label “ Squamous Epithelial Tissue”.
- Q9. List the functions of proteins.
- Q10. Explain “ Androecium”.
- Q11. What is Acetylation reaction?
- Q12. What is inflorescence? Give example of Racemose inflorescence.
- Q13. List the significance of Photosynthesis.
- Q14. Give the symptoms of “ Kwashiorkor”.

## Section C

**Answer the following (Any 8)**

**(24)**

- Q15. Give the example of the following-
  - a) phylum - cnidaria
  - b) class- Aves
  - c) Class- Amphibia
- Q16. Write a note on “Binomial Nomenclature”.
- Q17. What is Respiratory Quotient (RQ)? Give that RQ in Carbohydrates & Proteins.
- Q18. Distinguish between Class Dicotyledonae and Class Monocotyledonae.
- Q19. Sketch and label Eukaryotic Nucleus.
- Q20. Distinguish between Metaphase and Anaphase.
- Q21. Give the examples of i) Hexose sugar ii) Polysaccharides iii) Compound Lipid
- Q22. Write a note on “Xylem”.
- Q23. Give the significance of “Mitosis”.

- Q24. Write a note on “Ureotelism”.
- Q25. Give the functions of i) Stomach ii) Large intestine iii) Salivary glands
- Q26. Give the schematic representation of  $C_3$  pathway.

### Section D

**Answer in detail (Any 3)**

**(12)**

- Q27. Draw a neat labelled diagram of LS of Kidney.
- Q28. Give schematic representation of Glycolysis.
- Q29. Describe the structure of “Areolar Connective Tissue”.
- Q30. Distinguish between Cyclic and Non-Cyclic Photophosphorylation.
- Q31. Describe the types of placentation.

