



**Part B** **5 x 6 = 30**  
**Answer ALL questions**  
**Each answer should not exceed 400 words or two pages**

- 11.a. Distinguish between Monosaccharides and Polysaccharides. CO3 K3  
(or)
- 11.b. Write any three important reactions of Monosaccharides CO2 K3
- 12.a. Write short note on phospholipids. CO3 K2  
(or)
- 12.b. Mention the importance of lipids. CO3 K2
- 13 a. Differentiate simple and conjugated proteins.   
(or)
- 13.b..List out the functions of Amino acids. CO2 K2
- 14.a..Give brief note on Mineral nutrients. CO2 K3  
(or)
- 14.b. Write the properties of Enzymes. CO1 K1
- 15.a. Give the significance of Shikimate- Cinnamate pathway. CO2 K2  
(or)
- 15.b. Write short account on Prenyl flavonoids. CO2 K2

**Part C** **5 x 12 = 60**  
**Answer ALL questions**  
**Each answer should not exceed 800 words or four pages**

- 16.a. Briefly outline the classification of Carbohydrates. CO3 K3  
(or)
- 16.b. Give the structure and significance of Polysaccharides. CO2 K2
- 17.a .Elaborate the properties of Fats and Waxes. CO1 K1  
(or)
- 17.b. Give the outline classification of Lipids. CO3 K2
- 18.a. With diagrams, explain the structure of Proteins. CO2 K2  
(or)
- 18.b. Give an account on classification of Amino acids. CO3 K2
- 19.a. Explain the mode of action of Enzymes. CO2 K3  
(or)
- 19.b. Write the general characters and classification of Vitamins. CO3 K3
- 20.a. Comment on plant secondary metabolites and their importance. CO3 K3  
( or)
- 20.b. Give an outline classification of secondary metabolites. CO2 K2

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