

PART - B

Ans	swe	r any nine of the following questions. Each question carries 6 marks: (9×	6=54)
13.		Explain the structural elucidation of open chain structure of glucose. Write the structure of glucose-6-phosphate. Give its biological importance.	(4+2)
14.		Name any two heteropolysaccharides. Mention their biological important Name the storage polysaccharides in plants and animals.	e. (4+2)
15.		Why ATP is energy currency of cell? Explain. Give the biological importance of cholic acid.	(4+2)
16.		How are lipids classified ? Give an example for each class. What are glycoproteins ? Mention its function.	(4+2)
17.		Explain the singer and Nicolson model of biological membrane. What is meant by rancidity?	(4+2)
18.		What are phosphoglycerides ? Explain their importance in biological systematic with the structure of T_{XA4} and mention any one biological function.	tems. (4+2)
19.		How does an amino acid reacts with i) Ninhydrin ii) Edman's reagent? What is peptide bond? How is it formed?	(4+2)
20.		Mention the factors needed for stabilising the tertiary structure of protein What are essential amino acids? Give an example.	(4+2)
21.	a)	Write a note on classification of protein based on composition with an example.	
	b)	Explain Sakaguchi's test.	(4+2)
22.	a)	Mention the types of secondary structure of proteins and describe any or of them.	ie
	b)	What are exergonic reactions? Give an example.	(4+2)