GBCS Scheme

Fourth Semester B.E. Degree Examination, June/July 2017	
	NT46
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Tim	ne: 3	hrs. Max. Ma	ırks: 80
		Note: Answer FIVE full questions, choosing one full question from each module	? .
1	a. b.	Describe in detail about reaction action.	(10 Marks) (06 Marks)
2	a. b.	Describe about Netive and Passive Manager	(10 Marks) (06 Marks)
3	a. b.		cs. (10 Marks) (06 Marks)
4	a. b.	OR Explain Glycolysis with the help of a flow chart. Elucidate biological oxidation and reduction reaction in detail.	(08 Marks) (08 Marks)
5	a. b.	Module-3 Explain in detail about the scope of microbiology. Briefly explain the structure, classification and reproduction of fungi.	(08 Marks) (08 Marks)
6	a. b.	OR Explain about the structure, classification and reproduction of viruses. Describe about prokaryotes and eukaryotes with neat diagrams.	(10 Marks) (06 Marks)
7	a. b.	Module-4 Explain in detail the control of micro organisms by physical factors. Discuss in detail about microbial growth curve patterns.	(10 Marks) (06 Marks)
8	a. b.	OR Write a note on physical conditions required for microbial growth. Explain about Antibiotics and other chemotherapeutic agents with examples.	(06 Marks) (10 Marks)
9	a. b.	Module-5 Elucidate the synthesis of nano particles by bacteria. Describe about magneto tactic bacteria for natural synthesis of magnetic nano par	(08 Marks) ticles. (08 Marks)

OR

10 a. Explain the synthesis of nano particles by fungi using extra cellular and intra cellular (10 Marks) methods.

b. Elucidate the green synthesis of nano particle using tulsi. (06 Marks)

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