B.Sc. Examination ______ 2017

Semester - I- Microbiology

Paper Name: MiCC- 101- Introduction to Microbial world	Paper Code: 20465
Time: 2:30 Hours	Total Marks: 70

]	Instructions: (a) Figure to the right indicates total marks of respective question.	
	(b) Draw neat, clean and labeled diagram wherever necessary.	
Q.1	Explain: a) Theory of Biogenesis and abiogenesis b) Applied area of microbiology OR	07 07
Q.1	a) Who give Germ theory of diseases? Explain in detailb) Define biotechnology and explain in detail	07 07
Q.2	a) How microorganisms distributed in nature?-Explain b) Explain in detail- Protozoa	07 07
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Q.2	Explain: a) Prokaryotes and Eukaryotes b) Actinomycetes	07 07
Q.3	Discuss: a) Principle of microscopy and Resolving power b) Dark field microscope	07 07
	OR	
Q.3	a) Give principle and application of SEM b) Write in detail- Phase contrast microscopy	07 07
Q.4	a) How bacteria cultivated on solid media? b) Explain in detail- Smear preparation	07 07
	OR	
Q.4	Explain: a) Vital and supravital staining b) What is intensifier? Explain with its uses.	07 07
Q.5	a) Explain in detail-Fatty acidsb) Give classification of protein	07 07
	OR	
Q.5	Explain: a) Write down functions of protein b) Classification of lipid	07 07