

17 OCT 2019

B.Sc. Semester – I - Examination – October 2019
MICROBIOLOGY

Paper: MIC-CC-101- Introduction to microbial world
Time: 2:30 Hours

Paper Code: 20465
Total Marks: 70

Instructions: (a) Figures to the right indicate total marks of respective questions.
(b) Draw neat, clean and labeled diagram wherever necessary.

Q.1(A)	Explain various applied area of microbiology	14
	OR	
Q.1(A) (i)	Write on: Germ theory of diseases	07
Q.1(A)(ii)	Explain biotechnology in brief	07
Q.1(B)	Short Questions (Attempt any FOUR) 1) Define: Genetic engineering 2) Give contribution of Louis pasteur 3) Who discover microscope? 4) Explain term: Biogenesis 5) What is pure culture? 6) Give contribution of Lister	04
Q.2(A)	Write difference between prokaryotes and eukaryotes	14
	OR	
Q.2(A) (i)	Write on: Yeast	07
Q.2(A)(ii)	Discuss on viruses in brief.	07
Q.2(B)	Short Questions (Attempt any FOUR) 1) Enlist types of microorganisms in nature 2) What is actinomycets? 3) What is the significance of protozoa? 4) Give two economic importance of fungi 5) Give two examples of bacteria. 6) What is mycelium?	04
Q.3(A)	Discuss: Compound light microscope in detail	14
	OR	
Q.3(A) (i)	Write on: Fluorescence mocoscope	07
Q.3(A)(ii)	Explain magnification in brief	07
Q.3(B)	Short Questions (Attempt any THREE) 1) Write role of condenser 2) Give full name of TEM 3) What is resolving power? 4) Enlist light microscopy 5) Give role of nose piece	03
Q.4(A)	Write detail procedure of smear preparation and fixation.	14
	OR	
Q.4(A) (i)	Write different functions of protein	07
Q.4(A)(ii)	Write on: Decolorizer	07
Q.4(B)	Short Questions (Attempt any THREE) 1) Give two example s of polysaccharide 2) Give two function of lipid 3) Define: Ampholytes 4) How to denature protein? 5) Define: Disaccharide	03