

19 FEB 2021

B.Sc. Semester – I Examination – February, 2021

MICROBIOLOGY

Paper: Introduction to microbial world

Paper Code: 20465

Time: 1:30 Hours

Total Marks: 42

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

Q.1 (A)	Discuss Spontaneous generation disputes in detail.	14
	OR	
Q.1 (A) (i)	Who give germ theory of diseases? Explain.	07
Q.1 (A) (ii)	Write any three applied area of microbiology.	07
Q.2 (A)	What is virus? Explain in detail.	14
	OR	
Q.2 (A) (i)	Write short note on: Actinomycetes	07
Q.2 (A) (ii)	How microorganisms distributed in nature?	07
Q.3 (A)	Explain principle and applications of TEM	14
	OR	
Q.3 (A) (i)	Give difference between light microscope and electron microscope	07
Q.3 (A) (ii)	What is Resolving power? Explain.	07
Q.4 (A)	Write properties and various functions of protein.	14
	OR	
Q.4 (A) (i)	How to prepare smear?	07
Q.4 (A) (ii)	Explain: Wet mounting	07

નોંધ:

- પ્રશ્નપત્રનો સમય ૧.૩૦ કલાકનો રહેશે.
- પ્રશ્નપત્રમાં ૪ પ્રશ્નોમાંથી કોઈ પણ ત્રણ પ્રશ્નોના જવાબ આપવાનો રહેશે.
- દરેક પ્રશ્નના ગુણ એકસરખા (૧૪ માર્કના) રહેશે. પ્રશ્નપત્ર કુલ ૪૨ માર્ક્સ નું રહેશે.