

B.Sc. (New CBCS) Semester – I Examination – February, 2021

MICROBIOLOGY

Paper: Introduction of microbial word

19 FEB 2021

Paper Code: 23380

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.  
(c) Write answers of any three questions out of four.

Q.1 (A)	Describe in detail : Establishment of Biogenesis theory	14
	OR	
Q.1 (A) (i)	Explain: Germ theory of fermentation	07
Q.1 (A) (ii)	Write in detail : Principles of aseptic surgery	07
Q.2 (A)	How microorganisms distributed in nature?	14
	OR	
Q.2 (A) (i)	Explain: Bacteria	07
Q.2 (A) (ii)	What is virus? Explain in brief.	07
Q.3 (A)	Explain smear preparation and fixation in detail.	14
	OR	
Q.3 (A) (i)	Explain : Bright field microscopy	07
Q.3 (A) (ii)	Explain mordant with an example.	07
Q.4 (A)	Discuss classification and Various functions of lipid in detail.	14
	OR	
Q.4 (A) (i)	What is polysaccharide? Explain starch and glycogen.	07
Q.4 (A) (ii)	Discuss protein structure in detail.	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 માર્કસ નું રહેશે.