Microbiology [Minor]

[NEP]

B.Sc. First Semester End Examination-2024 PAPER-MCB MI-101T

[Supplementary Paper]

[Introduction and scope of Microbiology]

Full Marks: 40

Time: 02 Hrs.

The figures in the right hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Group A

Answer any FIVE questions of the following:			
1)	State any two roles of microorganisms in agriculture.	1+1	
2)	Write any two scopes of microbiology.	1+1	
3)	What are primary and secondary metabolites? Give	examples.	
4)	State the difference between Virus and viroids.	2	
5)	What are mutualism and parasitism?	1+1	
6)	State the applications of dark field microscope.	2	
7)	State the economic importance of algae.	2	
8)	What is biogenesis?	2	

Group B

			
Ar	4x5 = 20		
1)	Brief	y describe classification of virus.	5
2)	Descr	ibe whittaker's five kingdom concept of life.	5
3)	Descr	ibe classification of fungi.	5
	5Wh	at are active and passive immunity? State their	difference
	with p	proper examples.	2+3
4)	State	the working mode of SEM and TEM. Write	down the
	applic	ations of phase contrast Microscope.	3+2
		Group C	
An	1x10 = 10		
1)	Write	down short note on:	2.5 x 4
	a)	Bioremediation.	
	b)	Biopesticide	
	c)	Degradation of Xenobiotics	
	d)	SCP	
2)	Write	down short note on	2.5 x 4
	a)	Lovis Pasteur	
	b)	Robert Koch	
	c)	Joseph Listes	
	d)	Edward Jenner	