PRN:		Course Code:	USS 114R

First Year B. Sc. End Semester Examination Winter 2023-24

Botany - I

Day and Date: Friday, 15/12/2023 Max Marks: **50**

Time : 2.00 to 4.00 PM Duration: **02** hrs

Instructions: 1) All questions are compulsory.

2) Draw well labelled diagram wherever necessary.

			Marks	Bloom's Level	CLO
Q.1		**Attempt any two from the following**			
	a)	Define Virus and explain in brief symmetry of virus.	**06**	L1	CLO1
	b)	What are the general characters of Virus?	**06**	L1	CLO1
	c)	Illustrateand describe the structure of T-Phage.	**06**	L4	CLO1
Q.2		**Attempt any two from the following**			
	a)	Explain in brief bacterial classification based on shape.	**06**	L2	CLO2
	b)	Explain in briefgeneral characters of bacteria.	**06**	L3	CLO2
	c)	Give negative economic importance of bacteria	**06**	L1	CLO2
Q.3		**Attempt the following**			
	a)	Sketch, label and describe the thallus structure of *Spirogyra.*	**06**	L1	CLO3
	b)	Define algae. Describe the general characters of algae.	**07**	L1	CLO3
		Or			
	b)	Sketch, label and describe the functions of Heterocyst.	**07**	L3	CLO3
Q.4		**Attempt the following**			
	a)	Define biofertilizers and add a note on preparation of Blue green alga and bacterial biofertilizer.	**06**	L1	CLO4
	b)	Explain in brief characters, association and uses of *Tirchoderma.*	**07**	L2	CLO4
		Or			
	b)	Explain in brief characters, association and uses of *Nostoc.*	**07**	L2	CLO4

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