		N	K	23U 4059
Reg. No. :			T.	
Name :				
(2019) Ex	amination, Novem	ber 2023)	
COMPLEMENTAR 1C01BOT : Microbiology	100	LECTIVE COURSI hycology, Mycolog	AND STREET OF STREET OF STREET	
Time: 3 Hours				x. Marks: 40
Instruction : Draw diagram	n wi	nerever specified.		
		PART – A		
Short answer questions, Answe	r all	erresen en		
Muramic acid is found in the				
a) Nostoc	b)	Bacteriophage Viroids		
c) Bacteria 2. Black mould is	u)	VIIOIOS		
a) Ulothrix	b)	Rhizopus		
c) Polysiphonia	d)	Puccenia		
3. Coenobium is a character of	la V	Makeey		
a) Saccharomyces c) Chara		Volvox Cercospora		
Stalked, branched and papill a) Isidia		out growth on the lich Cephaloidia	en thallus is ca	alled
c) Soredia	d)	Cyphelle		$(4 \times 1 = 4)$
		PART - B		
Answer any eight questions.				
5. List out the reserve food four	nd in	Chlorophyceae and	Phaeophyceae	э.
6. Discuss the major functions	of Vi	ral capsids.		
7. Distinguish nucule and globu	ıle.			P.T.O.
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			1 150 (201) 415 (2005 41	# (*)#1) #1#11 ##1#1 #111#1#1(1##)
K23U 4059				Manual Control of the
8. List any two medicinal importa	ence	of algae.		
9. Comment on the asexual repr	oduc	ction in Penicilium.		
10. Distinguish primary and secon				
11. Describe the structure of Asco	ndan	/ mycelium.		
12. Comment on Phragmobasidia		R (A)		
12. Comment on Phragmobasidia	gon	R (A)		
13. Discuss about Carpogonium.	gon	R (A)		
	gon	ium.		
13. Discuss about Carpogonium.	gon	ium.		
13. Discuss about Carpogonium.14. With example define haplodiple	ogon	ium. c life cycle.	mycotina.	(8×2=16)
13. Discuss about Carpogonium.14. With example define haplodiple15. Comment on Endospore.	ogon lontie	ium. c life cycle.	mycotina.	(8×2=16)
13. Discuss about Carpogonium.14. With example define haplodiple15. Comment on Endospore.	ogon lontie	ium. c life cycle. connection in Basidio	mycotina.	(8×2=16)
13. Discuss about Carpogonium.14. With example define haplodiple15. Comment on Endospore.16. Discuss the significance of classical designificance designificance of classical designificance design	ogon lontid imp	ium. c life cycle. connection in Basidio PART – C		

- 19. Discuss the thallus structure of Sargassum.
- 20. Enumerate the economic importance of lichens.
- 21. Comment on the surface appendages found in Bacteria.
- 22. Illustrate with labelled diagram the structure of teleutosorus.

$(4 \times 3 = 12)$

 $(1 \times 8 = 8)$

PART - D

Answer any one question.

- 23. Discuss the classification of bacteria. Add note on its harmful activities.
- 24. Comment on the post fertilization changes in Polysiphonia.
- 25. Discuss the sexual reproduction in Black mold.