

From S. S.

2022/TDC/ODD/SEM/BOTDSC/ GE-101T/137

TDC (CBCS) Odd Semester Exam., 2022

BOTANY

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(1st Semester)

Course No.: BOTDSC/GE-101T

(Biodiversity)

Full Marks: 50
Pass Marks: 20

Time: 3 hours

The figures in the margin indicate full marks for the questions

Unit—I

- 1. Answer any three of the following: $1 \times 3 = 3$
 - (a) Who discovered virus?
 - (b) Name one useful bacterium.
 - (c) Name one DNA virus.
 - (d) Name one harmful bacterium.
- 2. Answer any one of the following:

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- (a) Write a brief note on TMV.
- (b) Write a brief note on T-phage.



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VE + 1, 2104 (60)			
3. (a) With a suitable diagram, describe the lysogenic cycle.	5		slave distribute element to St
Or (b) With suitable diagram, describe the cell structure of bacteria. UNIT—II 4. Answer any three of the following: 1×3	=3	7. 8.	Answer any three of the following: 1×3=3 (a) What is saprophytic fungi? (b) Write the cell wall composition of fungi. (c) What is mycorrhiza? (d) What do you mean by mycelium? Answer any one of the following: 2
(a) Name the reserve food material in Phaeophyceae.(b) Name one filamentous alga.			(a) Write a brief note on the nutrition of fungi.(b) Write a brief note on lichens.
(c) What is pyrenoid?(d) Name one nitrogen-fixing blue-green alga.		9.	(a) With suitable diagram, describe the life cycle of Alternaria. Or (b) Give a detailed account of Penicillium.
5. Answer any one of the following:(a) Write a short note on the morphology of	2		UNIT—IV
Vaucheria. (b) Write systematic position of Oedogonium. 6. (a) Give an account on the range of thallus		10.	Answer any three of the following: 1×3=3 (a) What is archegoniate? (b) What is peat moss? (c) Name one early land plant.
organization in algae.	5	-	(d) Name the first vascular land plant.
(b) With suitable diagram, describe the life cycle of Chlamydomonas.		11.	Answer any one of the following: (a) Write a brief note on transition to land habit. (b) Write a brief note on the ecological
J23/91 (Continue	ed)	J23	importance of pteridophytes.

(4)

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12.	(a)	Describe Funaria with suitable
	zi j	diagrams.
		Algaria so Algarages at season int
:4	(b)	Write a note on Selaginella with suitable
		diagrams.
		UNIT—V
		Emprejist sals terane gas recomme . A
13.	Ans	wer any <i>three</i> of the following: 1×3=3
	(a)	What do you mean by coralloid root?
	(b)	Name one gymnosperm found in Assam.
	(c)	What do you mean by pine needle?
		Name one gymnosperm of ecological importance.
	,F(T), (c)	Police to Louisian Essayan a rowll by
14.	Ans	wer any one of the following:
,6,	(a)	Give two economic uses of gymnosperms.
	(b)	Write the external characters of Cycas.
15.	(a)	Write a note on the classification of
		gymnosperms.
		embruiller Or in the time asserts Is
	(b)	Describe the anatomy of Cycas leaflet with suitable diagram.
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