

2020/TDC(CBCS)/ODD/SEM/ BOTHCC-301T/138

(d) Define cytodifferentiation.

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TDC (CBCS) Odd Semester Exam., 2020 held in March, 2021

What do you YNATOS complex (issue?

(3rd Semester) indeposition of the control of the c

Course No.: BOTHCC-301T

(Anatomy of Angiosperms)

Full Marks: 50
Pass Marks: 20

Time: 3 hours

The figures in the margin indicate full marks for the questions

SECTION—A

1. Answer any ten of the following questions:

 $2\times 10=20$

- (a) What is permanent tissue? State its functions.
- (b) What do you mean by intercalary meristem?
- (c) What are companion cells?

10-21/74

(Turn Over)

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		100 (ETRO) SET 1	1
	(1)	Define cytodiner critical	THE PERSON
	(e)	Define ergastic substances in plants.	
	(f)	What is hydathode?	Sales Control
	(g)	What do you mean by complex tissue?	
	(h)	Write about laticifer. (18)	DAY BURNE
	(i)	What is epiblema?	
	(j)	Define Casparian strip.	
	(k)	What do you mean by open vascular bundle?	
	(l)	What is quiescent centre?	
	57	What is annual ring?	
1-	(n)	What is axial parenchyma?	
	(0)	What is secondary wood?	N. Supply
		Write one application of dendrochronology.	
	-1774	Write the functions of epicuticular waxes.	
		What do you mean by adcrustation?	
		What is sunken stomata?	
	(t)	What is aerenchyma?	

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SECTION-B

Answer	any	five	questions
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2.	What is	tissue	system?	Write	e an	account o	n
	vascular	tissue	system	with	neat	sketches.	
			the said of				1+5=6

3.	Discuss the applications of anatomy in plant			
	systematics.		6	

4. Draw and describe in detail the different 2+4=6 types of elements of phloem.

5. Write a note on cytodifferentiation of tracheary elements and sieve elements. 3+3=6

6. Describe the different theories of structural development and organization in root apex. 6

7. Write down the anatomical differences of dicot and monocot leaf with diagrams. 6

8. Write notes on sapwood and heartwood. 3+3=6

9. Write a brief account on structure, function 6 and seasonal activity of cambium.

10. Classify trichomes on the basis of their types of cells with examples and diagrams.

11. Write in detail the anatomical adaptation of 6 hydrophytes.

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(Continued)

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