

3+2=5

E=Ex1

## 2019/TDC/EVEN/BOTDSC/ BOTGEC-201T/037

Cite example

# TDC (CBCS) Even Semester Exam., 2019

### Classify soilYNATOR to compositions.

#### (2nd Semester)

Course No.: BOTDSC-201T/BOTGEC-201T

( Plant Ecology and Taxonomy ) A A

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: 1×3=3
  - (a) Name one endemic plant of Assam.
    - (b) Give an example of hydrophytic plant.
    - (c) What is capillary water?
    - (d) What is Phytogeography?
- 2. Answer any one of the following:

Write the nitrogen cycle in brief with

- (a) Write two adaptations of xerophytes.
- (b) Write a short note on Shelford law of tolerance.

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(Turn Over)

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2.6	2127	Oa Car					
3.	(a)	Write a note on endemism in India					
		•					
	(b)	Classify soil according to compositions.  3+2=5  (121221123 bas)					
4.	Course No. : BOTIL-TINUIT/BOTGEC-2017						
	Ans	wer any three of the following: 1×3=3					
	(a)	Name a primary consumer of an ecosystem.					
	<i>(b)</i>	in air?					
	F/11195	The figures in the miniscension					

- (d) Name a denitrifying bacterium. I-TINU
- 5. Answer any one of the following: What do you mean by energy flow in ecosystem? (b) Give an example of (b) Define food web.
- 6. (a) Write the nitrogen cycle in brief with schematic representation. VIII 19 VAIL 25
  - (a) Write two adap Olons of kerophytes. (b) Write an account on ecological pyramids.

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7.			of the following	1 111 1	(b) 1×3	3=3
		Armen 200 de 2	mean by taxon			
18.	-, -	Eastern Reg	ronym of her ional Centre, ia, Shillong.	Botar 1976	nical	II
	(c)	What is synor	ym?	wiw	(0)	
	(d)	Give an exam classification	ple of artificial	syster	n of	
.85	Ans	wer any one of	the following:	mW	· (a)	€2
	(a)	Write a note of	on taxonomic h	ierarcl	ıy.	
3	(b) <sub>18</sub>	Briefly descr herbaria.	nultic examples		(d of	
9.	(a)	solving taxono				5
×3=3	1	: gniwolloi	no three of on	swer a	πA .	EI
	than	blished by Ben	about taxonor	Nam and		5
10.	Answer any <i>three</i> of the following: 1×3			3=3		
ſ	, ,		e full form of l	. 50	(b) (b) cand	
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(c)	name? Fill in the blank	fix used for a '	7. Ans
		ate of the holoty	pe. (d)
lo n	mynt of herbarrum	Factors Dealer	(0)
11. Ans	wer any one of the	following :	2
(a)	Write a note on a	uthor citation.	(c)
(b)	What do you mean of a name?	n by valid public	
<b>12.</b> (a)	Write down the pr	rinciples of ICN.	mA .85
0):9.	Ouxonomic luctur	Write a note or	(a).
1 (b)	Define holotype, le with examples.	ectotype and para	atype 5
		solving resumm	9. (a)
<b>13.</b> Answ	er any three of th	e following :	1×3=3
(a)	Write down the fu	ll form of OTU.	(3)
	Name the book pu and Hooker where classification.	ablished by Bent they proposed	ham their
-821	Define clade.	wer any three o	IO. Ans
(d) (		phylogenetic sys	stem

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14. Answer any one of the following:(a) What are phenetics and cladistics?(b) Write a note on numerical taxonomy.

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**15.** (a) Write the classification of Bentham and Hooker's system of classification.

Or

(b) Write down the differences between natural and phylogenetic system of classifications with proper examples.

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