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2020/TDC(CBCS)/ODD/SEM/ EESHCC-301T/391

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

ECOLOGY AND ENVIRONMENTAL SCIENCE

(3rd Semester)

Course No.: EESHCC-301T

(Ecology and Ecosystems)

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) Define habitat ecology.
 - (b) What is autecology?
 - (c) Write a note on ecozones.

SECTION—B

(2)

(d)	State Shelford's law of tolerance.
(e)	What is natality?
(f)	Write about k-selection.
(g)	Write a note on age structure.
(h)	What is dispersion?
(i) .	Define edge effect.
(i)	Write about positive ecological succession.
(k)	What is negative ecological succession?
<i>(l)</i>	Mention some features of community.
(m)	What is productivity?
(n)	What is lentic ecosystem?
(0)	Define Savannah.
(p)	Write about grazing food chain.
<i>(</i> 9)	Name two sedimentary cycles.
(r)	What is cyclic flow?
(s)	Define unidirectional flow.
(t)	What is biotic accumulation?

(Continued)

	Answer any five questions	
2.	Write a note on resistance. Discuss Lieblaw of minimum.	oig's 2+4=6
3.	Give an account of ecotypes and ecoclin	nes. 3+3=6
4.	Write a note on meta-population. Desc logistic growth curve.	ribe 2+4=6
5.	Give a detailed account of density dependent limits to population growth.	lent 6
6.	Give an illustrated account of commustructure and organization.	nity 6
7.	Write notes on keystone species and clir concept.	nax 3+3=6
8.	Write notes on grassland ecosystem a wetlands.	and 3+3=6
9.	Define ecological pyramid. Describe varietypes of ecological pyramids with examples	
10.	Give a detailed account of nitrogen cycle we special reference to biological nitrogrammation.	
11.	Write notes on hydrological cycle a phosphorus cycle.	ınd 3+3=6
	2020/TDC(CBCS)/ODD	/SEM/
10-2	1—50 /260 EESHCC-30	