

School of Science School: M.Sc. Lifescience Program/s: Semester: 3<sup>rd</sup> Year: 2nd

Examination:

End Semester Examination

Examination year:

December – 2021

Course Code: LS 255

Course Name: Ecorestoration - II

Date: 07/12/2021

Total Marks: Total Pages: 02

Time: 08:30 am to 10:30 am

## Instructions:

There are total 16 questions. All questions are compulsory. -

- Write only answers in the answersheet provided. No need to write questions.
- Draw neat and labelled diagrams to support your answers wherever required
- Use of calculator is permitted/not permitted.
- $*\ COs = Course\ Outcome\ mapping.\ \#BTL = Bloom's\ Taxonomy\ Level\ mapping$

Q. No.	Details	Marks	*COs	#BTL
Q.1	Among the following biogeochemical cycles which one does not have losses	() 1	COL	I
, Air	due to respiration?			
N. Carlotte	a. Sulphur b. Nitrogen			
The same of the sa	c. Phosphorous d. All of the above			
Q.2	Why does after the nutrient enrichment from sewage contamination, a lake often	0.1	CO <sub>2</sub>	2
	becomes inhospitable to fishes?			
Q.3	Justify the given statement: Most of the nitrogen in our world is in an unusable	() [	COL	2
	form.			
Q.4	The species which are native to, and restricted to, a particular geographical	01	CO4	1
Jan San San San San San San San San San S	region, are:			
	a. Endangered b. Endemic			
	c. Indigenous d. Invasive			
Q.5	Recovery of the structure, function and processes of the original ecosystem is	01	COL	2
	known as			
Q.6	In the Phosphorous cycle, phosphorous becomes available by weathering of	0.1	CO <sub>6</sub>	2
of .	rock first to			
	a. Consumers b. Decomposers			
	c. Producers d. All of these			
Q.7	After succession has begun, its vegetation itself cause its own replacement by	0.1	CO5	ì
<b>~</b> ·/	new communities is called:			
	a. Autogenic succession  b. Allogenic succession			
	c. Autotrophic succession d. Heterotrophic succession			
	C. Autotrophic succession d. Treterodophic succession			

Q. No.	Details	Marks	*COs	
Q.8	Choose the answers which gives the correct combination:  a. Halosere b. Lithosere c. Eosere ii. Succession on a bare rock surface iii. Succession initiating on sandy areas Succession starting in saline soil or water	0.4	CO5	1,2
Q.9	<ul> <li>d. Psammosere iv. Development of vegetation in an era</li> <li>Using complete sentences, briefly describe or define each of the following:</li> <li>i. Extent of Occurrence</li> <li>ii. Phytoremediation</li> </ul>	05	CO1, CO2, CO5	1, 2,
Q.10	<ul><li>iii. Reforestation</li><li>iv. Ecotourism</li><li>v. Succession</li><li>Write a short note on Biotic Interactions.</li></ul>	02	CO6	2, 3
Q.11	State some advantages of Phytoremediation.	02	CO4	2,3
Q.12 Q.13	Name and discuss in brief the theories proposed regarding the concept of climax.  Comment upon the types of seres that you have studied.	of 02 04	CO4 CO3	1,2
Q.14	Write an account on the Biogeochemical cycles.	04	CO5	1, 2 2, 3
Q.15 Q.16	Give an account on the process of Ecological Succession.  Discuss the major types of ecological succession.	05	CO3	1,2

\*\*\*\*\*\*\*\*\*End of Question Paper\*\*\*\*\*\*\*\*