

TDC Odd Semester Exam., 2020
held in July, 2021

BOTANY

(Honours)

(5th Semester)

Course No. : BOTH-502

(Environmental Biology)

Full Marks : 35

Pass Marks : 12

Time : 2 hours

*The figures in the margin indicate full marks
for the questions*

Answer **five** questions, taking **one** from each Unit

UNIT—I

1. (a) Name one biotic component of an ecosystem. 1
(b) Describe how biotic components of environment interact with each other. 6
2. (a) Discuss fire as an ecological factor. 2
(b) What do you mean by biotic and abiotic interactions? 5

UNIT—II

3. (a) Define ecosystem. 1
(b) Briefly describe the structure and function of forest ecosystem. 6
4. (a) Write down the scientific names of two plants found in grasslands. 2
(b) Give an account of the grassland ecosystems. 5

UNIT—III

5. (a) Write down briefly the aims and objectives of IUCN. 4
(b) Write a note on non-conventional energy resources. 3
6. (a) Define *ex-situ* and *in-situ* methods of biodiversity conservation with examples. 4
(b) Write a note on management of non-renewable energy resources. 3

UNIT—IV

7. (a) Define acid rain. 1
(b) What are the various sources of air pollution? Discuss the health hazards and control measures of air pollution. $1+2\frac{1}{2}+2\frac{1}{2}=6$
8. (a) What do you mean by suspended particulate matter (SPM)? 1
(b) Write short notes on radioactive pollution and thermal pollution. $3+3=6$

UNIT—V

9. (a) Name two international organisations involved in environmental management. 2
(b) Discuss the role of international organisation for the environmental management. 5
10. (a) Write a note on BNHS. 2
(b) Discuss the role of CBD (Convention on Biological Diversity) and SSC (Species Survival Commission) in biodiversity management. 5

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