

- (g) What is earth summit ?
- (h) What do you understand by minimata disease ?
- (i) Vienna convention.
- (j) Define the term endangered species.

Roll No.

Total Pages : 04

Sep-21-00007

B. Tech. EXAMINATION, 2021

Semester I (CBCS)

ENVIRONMENT AND ECOLOGY

HS-102

Time : 2 Hours

Maximum Marks : 60

The candidates shall limit their answers precisely within 20 pages only (A4 size sheets/assignment sheets), no extra sheet allowed. The candidates should write only on one side of the page and the back side of the page should remain blank. Only blue ball pen is admissible.

Note : Attempt *Four* questions in all, selecting *one* question from any of the Sections A, B, C and D. Q. No. 9 is compulsory.

Section A

- 1. (a) What is Environment ? Discuss the scope and importance of environment. **7.5**
- (b) Write a note on water resources and food resources. **7.5**

2. (a) What is meant by natural resources ? Explain renewable and non-renewable natural resources. 7.5

(b) Discuss the use and importance of forest resources in India. 7.5

Section B

3. (a) Explain the concept of an ecosystem with their structure and function. 7.5

(b) What is diversity nation ? 7.5

4. (a) Explain in detail the ecological pyramid. 7.5

(b) Distinguish between national park, sanctuary and biosphere reserve. 7.5

Section C

5. (a) What are the major sources of air pollution ? What are its adverse effects ? How can it be controlled ? 7.5

(b) Discuss Kyoto protocol. 7.5

6. (a) What is water pollution and its causes ? How water pollution can be controlled ? 7.5

(b) Write the key initiatives of Rio declaration. 7.5

Section D

7. (a) What is chemical toxicology ? Discuss the effects of heavy metals in water. 7.5

(b) What is waste water treatment ? Discuss about its stages. 7.5

8. (a) Write a short note on biochemical effects of arsenic on enzymes. 7.5

(b) What are the sources and effects of municipal waste ? 7.5

(Compulsory Question)

9. Answer all the questions : 1.5×10=15

(a) Distinguish between physical and biological environment.

(b) Define conservation.

(c) What is agroforestry ?

(d) CITES means.....

(e) Discuss Johannesburg summit.

(f) Differentiate between primary and secondary pollutants.