

Roll No.

Total Pages : 03

Sep-21-00674

B. Tech. EXAMINATION, 2021

Semester II (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. Water is not only life, it may be a cause of conflict for individuals, states and nations. Elaborate. **15**

2. Describe present world food crisis and its moral implications and its impacts on agriculture. 15

Section B

3. What is the value of biodiversity ? Explain uses of biodiversity. 15
4. How an ecosystem may be defined with brief introduction to its components ? Describe different kinds of ecological pyramids. 15

Section C

5. What is the need to protect environment ? What is the role of rural and urban local bodies in the protection of environment ? 15
6. Give a detailed note on air, water and soil pollutions mentioning the polluting agents for each of them. 15

Section D

7. Describe impacts of toxic chemicals on water and enzymes. 15
8. Sources and effects of municipal waste and how to manage it using conventional and modern technologies ? 15

(Compulsory Question)

9. Write short notes on the following : 5×3=15
- (i) Growing need for energy
 - (ii) Genetics in biodiversity
 - (iii) Kyoto protocol
 - (iv) Temporary and permanent hardness of water
 - (v) Role of ethical values in conservation of biodiversity.