

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. Honours (Mathematics)

(Sem.-4)

ENVIRONMENTAL STUDIES

Subject Code : EVS-101A

M.Code : 79915

Date of Examination : 24-12-2022

Time : 3 Hrs.

Max. Marks : 30

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY** consisting of **TEN** questions carrying **ONE** marks each.
2. **SECTION - B & C.** have **FOUR** questions each.
3. Attempt any **FIVE** questions from **SECTION B & C** carrying **FOUR** marks each.
4. Select atleast **TWO** questions from **SECTION - B & C.**

SECTION-A

1. Write briefly :
- What is the theme and significance of Environment day 2022?
 - What are biogeochemical cycles?
 - “*The Pyramid of energy always takes a true upright shape.*” Justify it.
 - Differentiate between afforestation and reforestation.
 - What do you understand by extinction of species?
 - What is CITES and WWF?
 - What are different steps of succession?
 - What is land use pattern in India? Give in percentage.
 - What is a biosphere reserve?
 - Why there is need to conserve biodiversity?

SECTION-B

2. List the biogeographical Zones of India.
3. What is a natural hazard? Discuss case study of Uttarakhand flood 2013.
4. What is Eutrophication? Discuss effects of modern agriculture on environment.
5. Describe the pyramid of numbers and pyramid of biomass in a grassland and aquatic ecosystem.

SECTION-C

6. Discuss ecosystem and its types.
7. What are the causes and effects of soil erosion?
8. Describe the global pattern of water use across sectors.
9. What do you mean by Ecosystem diversity? Discuss the causes of biodiversity loss.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.