**TU/ CDOE**

**TEZPUR UNIVERSITY**

**SEMESTER END EXAMINATION (SPRING) 2024**

**DIPEVMD/ DEM 101: ENVIRONMENT: BASIC UNDERSTANDING**

Time: **3 Hours** Total Marks: **70**

*The figures in the right-hand margin indicate marks for the individual question.*

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**All questions are compulsory**.

1. Write a brief account on ‘Tragedy of Commons’. (3)
2. Why troposphere is considered as turbulent layer with respect to weather phenomenon. (3)
3. Describe the formation and depletion of ozone layer in the stratosphere. (4)
4. Distinguished between the following. **(**4x5=20)
5. Patent and Bio-piracy
6. Pyramid of individuals and pyramid of biomass
7. Kyoto protocol and Montreal protocol
8. Primary productivity and secondary productivity
9. Conventional energy and non- conventional energy
10. Define environment. Explain the different components of environment. (1+4=5)
11. What do you mean by Intellectual property rights (IPR)? Write briefly about the basic rights related with IPR. (2+3=5)
12. How does solar energy influence energy radiation budget? Explain with the help of a neat diagram. (2+4=6)

8. What is ecosystem energetics? Describe the various pathways that involve in energy flow in ecosystem. **(**2+4=6**)**

9. Why makes the nitrogen cycle a gaseous cycle? Describe the various processes involved in nitrogen cycle with diagrammatic illustration. (1+5=6)

1. Describe the various geomorphic processes that form the earth’s surface. Distinguish between physical weathering and chemical weathering. (4+2=6)
2. Explain the causes and consequences of deforestation. (6)

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