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Roll No

ES-3001(AU/CE/CM/EC/ME/MI)-CBGS

B.E. III Semester

Examination, June 2020

Choice Based Grading System (CBGS)

Energy, Environment, Ecology and Society

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) What is Energy? Discuss Geothermal, hydel and solar energy sources. 8
b) Discuss importance and limitations of nuclear energy. 6
2. Explain about cycles in Ecosystem. 14
 - a) Water cycle
 - b) Carbon cycle
 - c) Nitrogen cycle
3. a) Explain about (any two): 7
 - i) Air pollutants
 - ii) Photochemical smog
 - iii) Sound pollution
b) Discuss various measures used for controlling air pollution. 7

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4. a) Write about classification of water pollutants. 4
b) Write short notes on (any two) of the following: 10
i) Soil pollutants
ii) Industrial waste water treatment
iii) Soil profile
5. Write brief notes on: 14
i) Fossil fuel
ii) Biomass energy
iii) Wind energy
6. a) Write about sound pollution. Explain measurement of sound pollution. 7
b) What is Acid rain? Write its consequences and preventive measures. 7
7. Write short notes on any two of the following: 14
i) Ethics and moral values
ii) Value education
iii) e-waste
8. a) Explain Biodiversity. Discuss threat and conservation of biodiversity. 7
b) Describe structure of atmosphere giving various zones. 7

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