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SPECIALIZATION IN CYBER SECURITY (CS)

EXAMINATION : JUNE- 2022

Sub: Environmental Studies (BCA-445-18, BCA-445-20, BCA-CS-445-20)

Date : 16/06/2022

Total Marks : 60

Time: 2.00 pm to 4.30 pm

Instructions:

1. All questions are compulsory unless and otherwise stated.
2. Bold figures to the right of every question are the maximum marks for that question.
3. Candidates are advised to attempt questions in order.
4. Answers written illegibly are likely to be marked zero.
5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
6. Draw neat and labelled diagrams wherever necessary.

Q.1. Fill in the blanks.

(05)

1. Energy that is trapped in the form of organic matter is called as _____
 - a) Conventional energy
 - b) Biomass energy
 - c) nonrenewable energy
 - d) Bioenergy
2. First trophic level is formed by _____
 - a) Only Plants
 - b) Organisms linked in food chain
 - c) Only Carnivorous
 - d) Only animals
3. _____ is an example of in-situ conservation.
 - a) National park
 - b) wildlife sanctuary
 - c) Seed bank
 - d) Gene bank
4. 'Ozone' in stratosphere absorbs _____
 - a) Gamma rays
 - b) X-rays
 - c) Infra-red rays
 - d) UV rays.
5. Interlinked food chains forms _____
 - a) Food web
 - b) Pyramids
 - c) Ecosystems
 - d) None of these

Q.2 State True/False.

(05)

1. Only emission of sulfur dioxide causes acid rain.
2. Global warming is because of more release of carbon dioxide in our environment.
3. World environment day is celebrated on 5th June.
4. ATP is ultimate source of energy in ecosystem.
5. Pyramid of energy is always upright.

Q.3. Answer in brief (any five) (10)

1. Enlist effects of deforestation
2. Enlist biotic components of the ecosystem.
3. What are reasons for loss of biodiversity?
4. Define water pollution.
5. What is Global warming ?
6. Define population density.

Q.4. Write short notes on (any four) (20)

1. Social issues related to environment
2. Desertification.
3. Management of earthquakes
4. Grassland Ecosystem
5. Noise pollution

Q. 5. Explain in detail (any two) (20)

1. Give classification of natural resources. Explain any three in detail.
2. Describe various sources of water pollution. Add a note on diseases transmitted through contaminated water.
3. Explain interdisciplinary nature of Environmental studies.
