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SPECIALIZATION IN CYBER SECURITY (CS)
EXAMINATION : DECEMBER - 2024/JANUARY-2025
SEMESTER – IV

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

Date : 06/01/2025

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 labeled diagrams wherever necessary.

Q.1. Fill in the blanks.

(5)

- World environmental day is celebrated on----- .
 - 10th December
 - 5th June
 - 8th September
 - 5th May
- are producers, forms first trophic level.
 - only plants
 - Plants and animals
 - Bacteria, fungi
 - None of these
- Variation of life forms is called as ----- .
 - bioleaching
 - biomagnification
 - biodiversity
 - eutrophication
- is an example of renewable energy.
 - Petrol
 - Diesel
 - Coal
 - Solar energy
- Antarctic region is an example of ----- desert.
 - cold
 - semi arid desert
 - arid desert
 - hot and dry desert

Q.2. State True/False.

(5)

1. Energy in an ecosystem flows in multidirectional way.
2. Seed bank and gene bank are examples of in-situ conservation methods.
3. Interlinked food chains forms food web.
4. Carbon dioxide is largest contributor of global greenhouse effect.
5. Polluted water causes tuberculosis.

Q.3. Answer the following. (Solve any 5)

(10)

1. Give formula of population growth.
2. Enlist renewable energy sources.
3. Enlist air pollutants.
4. What is desertification?
5. Give examples of decomposers.
6. Enlist various sources of radiation.

Q. 4. Answer the following in detail. (Solve any 6) (30)

1. Explain scope and importance of environmental Studies.
2. Enlist effects of deforestation.
3. Explain water conservation methods.
4. Explain significance of forest ecosystem.
5. Describe biosphere reserve.
6. Give effects of water pollution.
7. Explain effects of global warming.

Q. 5. Answer the following in detail. (Solve any 1) (10)

1. Explain in detail environmental issues.
 2. Explain causes ,effects and management of flood.
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