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SPECIALIZATION IN CYBER SECURITY (CS) /
BCA GAME DEVELOPMENT
EXAMINATION : DECEMBER – 2022
SEMESTER - IV

Sub: Environmental Studies (BCA-445-18, BCA-445-20, BCA-CS-445-20/BCA-475)

Date : 24/12//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 labeled diagrams wherever necessary.

Q.1. Fill in the blanks.

(5)

1. _____ is an example of ex -situ conservation.
 - a) Gene bank
 - b) Seed bank
 - c) Wildlife sanctuary
 - d) both a and b
2. Carcinogenic _____ rays are absorbed by ozone in the stratosphere.
 - a) X
 - b) UV
 - c) Gamma
 - d) Infra red
3. _____ forms the first trophic level of food chain.
 - a) Only consumers
 - b) Only producers
 - c) Only decomposers
 - d) None of these
4. _____ gas contributes mainly to gobar gas.
 - a) Carbon dioxide
 - b) Carbon monoxide
 - c) Methane
 - d) Nitrogen oxide
5. Interlinked food chains forms _____ .
 - a) Food web
 - b) Pyramids
 - c) Ecosystems
 - d) None of these

Q.2. State True/False.

(5)

1. Sun is the ultimate source of energy in an ecosystem.
2. Flow of energy in any ecosystem is always multidirectional.
3. Emission of sulphur dioxide and nitrogen dioxide causes acid rain.
4. 10th June is celebrated as World Environment day.
5. Population is total inhabitants of a specified area.

Q.3. Answer the following. (Solve any 5) (10)

1. Enlist effects of deforestation.
2. Define biodiversity.
3. Enlist flood control measures.
4. What are effects of air pollution on human beings
5. Enlist economic uses of forest.
6. Give examples of nonconventional energy sources.

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

1. Pond ecosystem
2. Global warming
3. Wildlife sanctuaries
4. Measures of soil conservation
5. Geothermal energy
6. Mineral resources
7. Decomposers

Q.5. Answer the following in detail. (Solve any 2) (10)

1. Explain scope of Environmental Science.
2. Draw diagram of function of ecosystem.
3. Explain effects of environment on human health.
