

2024

(5th Semester)

BACHELOR OF COMPUTER APPLICATIONS

Paper : EVS : 401 (Old Course)

(Environmental Studies)

Full Marks : 70

Pass Marks : 45%

Time : 3 hours

(PART : B—DESCRIPTIVE)

(Marks : 45)

*The figures in the margin indicate full marks
for the questions*

Answer any three questions

1. (a) What are four types of environment?
Describe different biotic and abiotic
components of an ecosystem and their
functions. 2+8=10
- (b) Explain the structure of an ecosystem. 5
2. (a) Write a note on use and over
exploitation of natural resources. 5

- (b) Explain use and over exploitations of surface and ground water resource.
Write the benefits of dam. $7+3=10$

3. Explain the following : $5 \times 3 = 15$

- (a) Consumptive use
- (b) Aesthetic values
- (c) KIDS

4. (a) Describe the role of individuals in preservation and conservation of natural resources for sustainable life styles. 10

(b) Write the causes, effects and control measures of noise pollution. 5

5. (a) Explain the role of information technology in environment and human health. 7

(b) Write notes on the following : $4 \times 2 = 8$

(i) Population explosion

(ii) Family welfare programmes

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BACHELOR OF COMPUTER APPLICATIONS

Paper : EVS : 401 (Old Course)

(**Environmental Studies**)

(PART : A—OBJECTIVE)

(Marks : 25)

The figures in the margin indicate full marks for the questions

Put a Tick (✓) mark against the correct answer in the brackets provided : 1×15=15

1. Where did Keibul Lamjao National Park locate?

- (a) Nagaland ()
- (b) Assam ()
- (c) Manipur ()
- (d) Meghalaya ()

2. Which of these are essential non-metallic minerals?

- (a) Iron, Gold, Silicon ()
- (b) Coal, Silica, Clay ()
- (c) Sodium, Gold, Phosphorous ()
- (d) Marble, Granite, Copper ()

3. World 'Environment Day' is celebrated on

- (a) 5th May ()
- (b) 5th June ()
- (c) 5th August ()
- (d) 5th July ()

4. Which of these is the most naturally occurring and frequent disaster?

- (a) Cyclone ()
- (b) Drought ()
- (c) Flood ()
- (d) Earthquake ()

5. What is the correct order of the 3R principle?

- (a) Reduce, Reuse, Recycle ()
- (b) Reuse, Reduce, Recycle ()
- (c) Recycle, Reuse, Reduce ()
- (d) Reduce, Recycle, Reuse ()

6. Which activity can tend to lower the water table?

- (a) Overgrazing ()
- (b) Soil erosion ()
- (c) Over-extraction of groundwater ()
- (d) Drought ()

7. What is the cause of the soil pollution?

- (a) Ozone hole ()
- (b) Acid rain ()
- (c) Aerosol ()
- (d) Organic fertilizer ()

8. Name the gas that is vital in maintaining atmospheric temperature.

- (a) Oxygen ()
- (b) Hydrogen ()
- (c) Carbon dioxide ()
- (d) Nitrogen ()

9. Environmental studies is defined as the branch that deals with the

- (a) design, study and discovery of new materials ()
- (b) study of humans and physical sciences ()
- (c) study of ICT and humans ()
- (d) approach about the natural world and the impact of humans on its integrity ()

10. Which two countries of the world constitute about 57% of the large dams?

- (a) India and Pakistan ()
- (b) India and China ()
- (c) India and USA ()
- (d) China and Brazil ()

11. Which of the following is not renewable resource?

- (a) Air ()
- (b) Water ()
- (c) Solar energy ()
- (d) Coal ()

12. What are the two forms of alcohol included in biofuels?

- (a) Ethanol and methanol ()
- (b) Ethanol and propanol ()
- (c) Methanol and propanol ()
- (d) None of the above ()

13. Green plants belong to

- (a) producers ()
- (b) consumers ()
- (c) decomposers ()
- (d) None of the above ()

14. Who is known as the father of genetics?

- (a) Charles Darwin ()
- (b) Arthur G. Tansley ()
- (c) Gregor Johann Mendel ()
- (d) None of them ()

15. A/An _____ is a group of organisms that can reproduce with each other in nature and produce fertile offspring.

- (a) gene ()
- (b) species ()
- (c) genetics ()
- (d) ecology ()

2. Answer the following questions in short : $2 \times 5 = 10$

(a) Write the role of producers in an ecosystem.

(b) What is afforestation? (c) Write a note on afforestation.

(d) What is biodiversity?

(c) Write a note on value education.

(d) What is biodiversity?

(e) What is mining?
