

**2024/TDC (CBCS)/EVEN/SEM/
EVSAECC-201T/418**

TDC (CBCS) Even Semester Exam., 2024

FOUNDATION COURSE

(2nd Semester)

Course No. : EVSAECC-201T

(Environmental Studies)

Full Marks : 50

Pass Marks : 20

Time : 3 hours

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

UNIT—I

1. Choose the correct answer (any three) : $1 \times 3 = 3$

- (a) The volume of nitrogen in the atmosphere is 78.09% / 70% / 0.003% / 21%.

(2)

- (b) Energy flow in an ecosystem is multidirectional / unidirectional / cyclic / None.
- (c) Tropical rain forests cover only 7% / 8% / 11% / 13% of the land surface of the earth.
- (d) A. G. Tansley/ Ernst Haeckel / Vernadsky / Odum first coined the term 'ecosystem'.
2. Answer any one of the following questions : 2
- (a) What is food chain? Give example.
- (b) Mention the difference between primary and secondary successions.
3. Define ecological pyramid. Write about different types of ecological pyramid. 1+4=5

Or

Give a detailed account on pond ecosystem. 5

(3)

UNIT—II

4. Choose the correct answer (any three) : 1×3=3
- (a) Soil erosion can be prevented by afforestation / rainfall / overgrazing / flood.
- (b) Hydropower is a renewable / non-renewable / conventional source of energy / None.
- (c) Tipaimukh Dam is an issue between India and Pakistan / India and Bangladesh / Bangladesh and Pakistan / India and China.
- (d) Plant / Animal / Mineral / Sunlight is an example of inexhaustible resource.
5. Answer any one of the following questions : 2
- (a) Mention any two impacts of mining.
- (b) What is land degradation?
6. Write a note on the causes and impacts of overexploitation of groundwater. 5

(4)

Or

Write a note on shifting cultivation.

UNIT—III

7. Choose the correct answer (any *three*) : $1 \times 3 = 3$

- (a) Son Beel is located in Karimganj / Hailakandi / Kamrup / Cachar district.
- (b) The Biodiversity Act was passed in India in the year 2002 / 2003 / 2000 / 2004.
- (c) Walter G. Rosen / Norman Myers / Eduard Shess / Amrita Devi coined the term 'biodiversity'.
- (d) Pitcher plant is an extinct / endangered / exotic / invasive insectivorous plant of North-East India.

8. Answer any *one* of the following questions : 2

- (a) What is the criterion for defining a biodiversity hotspot?
- (b) Mention any four causes of loss of biodiversity.

(5)

9. Why is India considered as a mega-biodiversity nation? 5

Or

Write a note on conservation of biodiversity.

UNIT—IV

10. Choose the correct answer (any *three*) : $1 \times 3 = 3$

- (a) Minamata disaster occurred due to mercury / cadmium / lead / arsenic.
- (b) The most dangerous photochemical oxidant is PAN / GLO / DDT / CFC.
- (c) Acid rain has pH level less than 7 / 8 / 4 / 2.
- (d) The Forest Conservation Act was passed in 1981 / 1974 / 1980 / 1982.

11. Answer any *one* of the following questions : 2

- (a) What is climate change?
- (b) Define sustainable development.

12. What is noise pollution? Give an account of the causes, control and preventive measures of noise pollution. 1+4=5

(6)

Or

Give a detailed account on solid waste management.

5

UNIT—V

13. Choose the correct answer (any *three*) : $1 \times 3 = 3$

(a) National Institute of Disaster Management is at Kolkata / Chennai / Manipur / Delhi.

(b) Bishnoi Movement was led by Sambhaji / Pandurang Hegde / Abhay Singh / Mathus.

(c) Typhoid / Cholera / Dysentery / Infective hepatitis is a water-borne viral disease.

(d) In 2005 / 2004 / 2002 / 2001, the Government of India enacted the Disaster Management Act.

14. Answer any *one* of the following questions : 2

(a) Mention the causes of human population growth in today's modern world.

(b) What are epicentre and hypocentre?

(7)

15. Write a note on Chipko Movement.

5

Or

Write a note on the causes and mitigation measures of flood.
