

**2023/TDC(CBCS)/EVEN/SEM/
EVSAECC-201T/392**

TDC (CBCS) Even Semester Exam., 2023

FOUNDATION COURSE

(For Arts Students)

(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*

SECTION—A

Choose the correct answer (any *fifteen*) : $1 \times 15 = 15$

1. The term 'ecosystem' was proposed by

- (a) F. P. Odum
- (b) Ernst Haeckel
- (c) A. G. Tansley
- (d) G. F. Morozov

2. The energy flow in an ecosystem is always
- (a) cyclic
 - (b) unidirectional
 - (c) None of the above
 - (d) Both (a) and (b)
3. The concept of biosphere was first coined by
- (a) Eduard Suess
 - (b) V. Vernadsky
 - (c) A. G. Tansley
 - (d) F. P. Odum
4. The pyramid of energy in an ecosystem is
- (a) wholly inverted
 - (b) always upright
 - (c) partly inverted
 - (d) None of the above
5. Solar energy is what type of natural resource?
- (a) Exhaustible
 - (b) Non-renewable
 - (c) Inexhaustible
 - (d) Abundant

6. What percentage (%) of water is saline water out of total water available in the earth?
- (a) 15%
 - (b) 3%
 - (c) 97%
 - (d) 90%
7. Bauxite is the main ore of
- (a) calcium
 - (b) carbon
 - (c) aluminium
 - (d) iron
8. In Assam, shifting cultivation is practised in
- (a) Golaghat and Goalpara districts
 - (b) Jorhat and Dibrugarh districts
 - (c) Karbi Anglong and Dima Hasao districts
 - (d) All of the above
9. Kaziranga of Assam is a
- (a) Sanctuary
 - (b) Biosphere Reserve
 - (c) National Park
 - (d) Reserve Forest

10. *Lantana camara* is a/an
- (a) indigenous species
 - (b) invasive species
 - (c) rare species
 - (d) endemic species
11. The name of the Wildlife Sanctuary located in South Assam is
- (a) Nameri
 - (b) Orang
 - (c) Garampani
 - (d) Borail
12. One insectivorous plant that is endemic to Meghalaya is
- (a) *Dionaea muscipula*
 - (b) *Drosera capensis*
 - (c) *Nepenthes khasiana*
 - (d) *Darlingtonia californica*
13. Minamata disease is caused by the pollution of
- (a) cadmium
 - (b) mercury
 - (c) arsenic
 - (d) lead

14. The Forest Conservation Act was passed in the year

- (a) 1988
- (b) 1981
- (c) 1980
- (d) 1986

15. A secondary pollutant is

- (a) CO
- (b) CO₂
- (c) PAN
- (d) Aerosol

16. Eutrophication is found in

- (a) saline soil
- (b) mountain
- (c) agricultural land
- (d) lake

17. _____ is a waterborne disease.

- (a) Tuberculosis
- (b) Typhoid
- (c) AIDS
- (d) Hypothyroidism

(Turn Over)

18. 'Save Silent Valley Movement' was started in the year
- (a) 1978
 - (b) 1973
 - (c) 1968
 - (d) 1950
19. The Montreal Protocol was made in order to reduce
- (a) greenhouse gases
 - (b) ozone-depleting chemicals
 - (c) suspended particulate matter (SPM)
 - (d) dust
20. A seismograph is used to measure the intensity of
- (a) sea wave
 - (b) cyclone
 - (c) earthquake
 - (d) wind

SECTION—B

Answer any *five* questions :

2×5=

21. Give two examples of food chain.
22. What do you mean by ecology?

- 23. Write two causes of deforestation.
- 24. Define renewable resources with examples.
- 25. Define the term 'biodiversity'.
- 26. Define *in-situ* conservation of biodiversity with suitable example.
- 27. What is sustainable development?
- 28. Define secondary pollutants with examples.
- 29. What was the main aim of the Chipko Movement?
- 30. Write the full forms of DGSM and KSSP.

SECTION—C

Answer any *five* questions :

$5 \times 5 = 25$

- 31. Write notes on food chain and food web with suitable examples. $2\frac{1}{2} + 2\frac{1}{2} = 5$
- 32. Illustrate the nitrogen cycle with a diagram. 5
- 33. Define natural resources. Discuss different types of natural resources with examples. $2 + 3 = 5$

(Turn Over)

34. What is shifting cultivation? How does it affect forest ecosystem? 2+3=5
35. Differentiate between National Park and Wildlife Sanctuary.
36. What is biodiversity hotspot? Mention the biodiversity hotspots found in India. 2+3=5
37. What is ozone layer depletion? What are the impacts of ozone depletion on the environment and human health? 2+3=5
38. Define heavy metal pollution. Write a note on the Minamata disaster. 1+4=5
39. Write a note on the Silent Valley Movement.
40. What is meant by disaster management? Discuss briefly about the importance of disaster management in India. 2+3=5
