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*) : 1×15=15

1. The term 'ecosystem' was proposed by

   (a) F. P. Odum

   (b) Ernst Haeckel

   (c) A. G. Tansley

   (d) G. F. Morozov

(*Turn Over*)

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) CO_2

   (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

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=10

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 :   5×5=25

31. Write notes on food chain and food web with suitable examples.   2½+2½=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

34. What is shifting cultivation? How does it affect forest ecosystem? 2+3=5

35. Differentiate between National Park and Wildlife Sanctuary. 5

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. 5

40. What is meant by disaster management? Discuss briefly about the importance of disaster management in India. 2+3=5

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