

Internal Assessment 1

Sem/Sec: 5A and B Date: 29/10/2024

Subject: **Environmental Studies**

Subject Code: **BESK508/ BCS508**

Max. Marks: 50

Duration: 60

ANSWER ALL QUESTIONS

1. The term 'Environment' has been derived from the French word which means to encircle or surround

- a) **Environ** b) Oikos c) geo d) Aqu

2. Atmosphere consists of 79 per cent Nitrogen and 21 per cent Oxygen by

- a) **volume** b) weight c) Density d) All the three

3. Which of the following is a biotic component of an ecosystem?

- a) **Fungi** b) solar light c) temperature d) humidity

4. In an ecosystem, the flow of energy is

- a) Bidirectional b) Cyclic c) **Unidirectional**
d) Multidirectional

5. Which Pyramid is always upright

- a) **energy** b) biomass c) numbers d) food chain

6. The organisms who directly feed on producers are called

- a) **Herbivores** b) Carnivores c) Decomposers
d) Saprophytes

7. The sequence of eating and being eaten in an ecosystem is called

- a) **Food Chain** b) carbon cycle c) hydrological cycle
d) anthroposystem

8. Which of the following is a producer in an ecosystem

- a) **Plants and some bacteria capable of producing their own food** b) Animals c) Human beings d) Fish

9. The largest reservoir of nitrogen in our planet is

- a) Oceans b) **Atmosphere** c) biosphere d) Fossil fuels

10. The basic requirements of human beings are provided by

- a) Industrialization b) Agriculture c) **Nature**
d) Urbanization

11. Environment is the life support system that includes

- a) Air b) Water c) Land d) **All of the above**

12. Organisms which feed directly or indirectly on producers are called

- a) Prey b) **Consumers** c) Decomposers d) Detritus

13. The primary producers in a forest ecosystem are

- a) **Chlorophyll containing trees and plants** b) Herbivores
c) Carnivores d) Bacteria and other microorganisms

14. Abiotic component includes

- a) Soil b) Temperature c) Water d) **All of the above**

15. Which among the following is a climatic factor?

- a) pressure b) humidity c) temperature d) **all of the above**

16. Which atmospheric sphere is closest to the earth surface?

- a) **Troposphere** b) Stratosphere c) Mesosphere
d) Exosphere

17. World Environment day is on

- a) 5th May b) **5th June** c) 18th July d) 16th August

18. Which of the following is not the environmental effect of industrialization, in general?

- a) Solid waste b) Water Pollution c) Air pollution
d) **Economic growth**

19. Earth Day' is held every year on

- a) June 5th b) November 23rd c) **April 22nd**
d) January 26th

20. The adverse effect of modern agriculture is

- a) Water pollution b) Soil degradation c) Water logging
d) **All of the above**

21. The impact of construction of dams

- a) Submerges forest b) Loss of wild life habitat c) Damages down stream ecosystem
d) **All of the above**

22. Effect of modern agriculture on soil is due to

- a) Erosion b) Acidification c) Salinization
d) **All the above**

23. Plants usegas for photosynthesis

- a) Oxygen b) methane c) Nitrogen d) **Carbon dioxide**

24. Deforestation means

- a) preservation of forests b) **destruction of forests**
c) monocrop cultivation d) agriculture

25. About% of the earth's surface is covered by water a) 53% b) 19% c) **71%** d) 90%

26. During photosynthesis, trees produce
a) **Oxygen** b) Carbon Dioxide c) Nitrogen d) Carbon Monoxide

27. Forests prevent soil erosion by binding soil particles in their
a) stems b) **roots** c) leaves d) buds

28. What is the permissible range of PH for drinking water as per the Indian Standards?
a) 6 to 9 b) 6.5 to 7.5 c) 6 to 8.5 d) **6.5 to 8.5**

29. _____ are referred to as Earth's lungs.
a) **Forests** b) Carbon cycles c) Water sources d) Mines

30. Among the fresh water available in the Earth the percentage of surface water is about
a) 50% b) 10% c) 5% d) **less than 1%**

31. Hepatitis is caused by
a) Protozoa b) **Virus** c) Bacteria d) Fungus

32. Disfigurement in the teeth is caused by excessive amount of
a) Mercury b) Nitrate c) **Fluoride** d) Lead

33. Mineral resources are
a) Renewable b) Available in plenty c) **Non renewable** d) Equally distributed

34. Which of the following is not a natural mineral?
a) Asbestos b) feldspar c) Phosphate d) **Nitrogen**

35. The oceans are the largest storage of water on earth containing:
a) 95% of earth's water b) 85% of earth's water c) **97% of earth's water** d) 75% of earth's water

36. Which of the following is not a part of the hydrological cycle?
a) precipitation b) infiltration c) transpiration d) **perspiration**

37. Which of the following is considered as an alternate fuel?
a) **CNG** b) Kerosene c) Coal d) Petrol

38. Solar radiation consists of
a) UV b) Visible light c) Infrared d) **All of these**

39. Chernobyl nuclear disaster occurred in the year
a) 1984 b) 1952 c) **1986** d) 1987

40. Which of the following is not a renewable source of energy?
a) **Fossil fuels** b) Solar energy c) Tidal wave energy d) Wind energy

41. Which of the following source of energy is less ecofriendly?
a) Biogas b) Wind c) Solar d) **Nuclear**

42. Wind energy generation depends on
a) direction of wind b) **velocity of wind** c) humidity d) precipitation

43. Direct conversion of solar energy is attained by
a) **solar photo voltaic system** b) solar diesel hybrid system c) solar thermal system d) solar air heater

44. In Hydropower plants power is generated by
a) hot springs b) wind c) Sun d) **water**

45. Nuclear power is being produced from
a) Carbon-14 b) **nuclear fission** c) petroleum combustion d) natural gas

46. Nuclear wastes are active for
a) 5 years b) 10 years c) 50 years d) **centuries**

47. Nuclear power plant in Karnataka is located at
a) Bhadravathi b) Sandur c) Raichur d) **Kaiga**

48. Cow Dung can be used
a) as Manure b) for production of Bio gas c) as fuel d) **all of the above**

49. Mining practices lead to
a) Population growth b) Rapid urbanization c) **Loss of grazing and fertile land** d) None of these

50. Which of the following is the source of fly ash
a) Vehicular exhaust b) sewage c) **Thermal power plant** d) all