

Module-1

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

a) **Environ** b) Oikos c) geo d) Aqua

2. Which of the following conceptual spheres of the environment is having the least storage capacity for matter?

a) Atmosphere b) Lithosphere c) Hydrosphere d) **Biosphere**

3. Which of the following components of the environment are effective transporters of matter? (II-2007)

a) **Atmosphere and Hydrosphere** b) Atmosphere and Lithosphere

c) Hydrosphere and Lithosphere d) Biosphere and Lithosphere

4. Biosphere is

a) The solid shell of inorganic materials on the surface of the earth

b) **The thin shell of organic matter on the surface of earth comprising of all the living things**

c) the sphere which occupies the maximum volume of all of the spheres

d) all of the above

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

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

6. Which of the following is a biotic component of an ecosystem? (I-2007)

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

7. In an ecosystem, the flow of energy is

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

8. Which Pyramid is always upright(I-2006)

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

9. In complex ecosystems the degree of species diversity is

- a) poor b) **high** c) medium d) none

10. The organisms who directly feed on producers are called

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

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

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

12. Which of the following is a producer in an ecosystem (I-2006)

- a) **Plants and some bacteria capable of producing their own food**

- b) Animals c) Human beings d) Fish

13. Which of the following statements is false? (I-2007)

- a) Inorganic nutrients are recycled in an ecosystem

- b) Energy „flows“ through the ecosystem in the form of carbon-carbon bonds

- c) **Energy is recycled in an ecosystem**

- d) Respiration process releases energy

14. The largest reservoir of nitrogen in our planet is

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

15. In aquatic ecosystem phytoplankton can be considered as a

- a) Consumer **b) producer** c) Saprotrophic organisms d) Macroconsumer

16. The basic requirements of human beings are provided by **(I-2007)**

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

17. Environment is the life support system that includes

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

18. In an ecosystem biological cycling of materials is maintained by **(I-2006)**

- a) Producer b) Consumer c) Decomposer **d) All of the above**

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

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

20. The primary producers in a forest ecosystem are

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

21. Abiotic component includes

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

22. Which of the following statement is true

- a) Green plants are self-nourishing** b) Producers depends on consumers
c) Biotic components include all non-living components d) Herbivores depend on Carnivores

23. Primary consumer is

- a) Herbivores** b) Carnivores c) Macro consumers d) Omnivores

24. A predator is

- a) An animal that is fed upon **b) An animal that feeds upon another animal**
- c) Animal that feeds upon both plants and animals d) A primary consumer

25. The word „Environment“ is derived from **(I-2008)**

- a) Greek** b) French c) Spanish d) English

26. Which among the following is a climatic factor?

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

27. Which of the following is the terrestrial ecosystem?

- a) Forest b) Grass land c) Desert **d) All of the above**

28. World Environment day is on **(I-2008) (I-2007) (II-2007) (I-2006)**

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

29. Factors responsible for balanced ecosystem are

- a) Balance between predator and prey
- b) Balance between vegetation, herbivorous and carnivorous
- c) Balance between competing species and biotic factors
- d) All of the above**

30. Which of the following is absorbed by green plants from the atmosphere?

- a) Carbon dioxide** b) Water c) Nutrients d) All of above

31. Habitat refers to

- a) Physical conditions of the place where organisms live
- b) Chemical conditions of the place where organisms live
- c) **Both a & b**
- d) None of a or b

32. A food web consists of(II-2007)

- a) a portion of a food chain
- b) an organism's position in a food chain
- c) **interlocking food chains**
- d) a set of similar consumers

33. Which of the following are producers"

- a) Animals
- b) Human being
- c) **Plants & Bacteria**
- d) Fishes

34. Which of the following is an ecosystem.

- a) Forest
- b) desert
- c) Mountain
- d) **All.**

35.Environment means

- a) **Surrounding (Biotic + Abiotic components), in which organisms live.**
- b) Atmosphere around one self.
- c) Sum total of social, Economic, biological behaviour of animals.
- d) Sum total of development activities around.

36. Which of the following is not the meaning of ecosystem.

- a) Unit where in all organisms live a healthy life.
- b) **a small unit that can be self-sufficient.**
- c) Co-Existence of diverse things by mutual adjustment.
- d) A unit includes all of the organisms in a given area interacting with the physical environment to form a natural unit of stability.

37. which of it is not an example for an terrestrial ecosystem.

- a) Forest b) Desert c) **Water** d) Grassland.

38. The factor responsible for stable ecosystem are balance between.

- a) Predators & Prey b) Vegetation, Herbivores & carnivores.
c) Competing species & Biotic factor d) **All the above.**

39. Important physical factor responsible for a good habitat of a organism.

- a) Light b) Temperature c) Humidity d) **All the above**

40. Which of the following is not a prominent chemical responsible for a good habitat.

- a) O₂ b) CO₂ c) **SO₂** d) Nutrients

41. -----is termed as the life zone of the earth.

- a) Atmosphere b) Hydrosphere c) **Biosphere** d) Stratosphere.

42. An ecosystem is a region in which (II-2008)

- a) Dead organism interacts with their environment
b) Living organism do not interact with their environment
c) **Living organism interact with their environment**
d) All the above.

43 The term ecosystem was first proposed by(II-2008)

- a) Jacob van verkul b) **A G Transley** c) Costraza d) Marie Gibbs.

44. The two major components of ecosystem are (II-2008)

- a) Adiabatic & Isotropic b) Ecologic & climatologic
c) Cyclic & biologic d) **Abiotic & biotic.**

45. Biotic components includes (**II-2008**)

- a) **All living organisms** b) water, mineral & gases
- c) Self-nourishing green plants d) Light, temperature etc.

46. Food chain is divided into -----basic categories (**II-2008**)

- a) Four **b) Three** c) Five d) seven

47. The transfer of energy & nutrients from one feeding group of organization to another in a series is called. (**II-2008**)

- a) Energy chain **b) Food Chain** c) Balanced ecosystem d) Food Web

48. Mining practices lead to(**I-2008**)

- a) Population growth b) Rapid urbanization
- c) Loss of grazing and fertile land** d) None of these

49. Which of the following are major environmental issues involved in mining? (**I-2008**)

- a) Air pollution from dust b) Water pollution
- c) Soil degradation **d) All of the above**

50. Mining means (**II-2007**)

- a. to conserve & preserve minerals
- b. to check pollution due to mineral resources
- c. to extract minerals and ores**
- d. None **or Mining means**

51. Which of the following are major environmental issues involved in mining

- a) Air pollution from dust b) Water pollution c) Soil degradation **d) All**

52. Most common type of mineral used in

- a) **Soil** b) Iron c) Coal d) Copper

53. Gold occur in

- a) Sedimentary deposits **b) Places deposits** c) Hydrothermal deposits d) None.

54. Mining of ore is done by

- a) Surface mining b) Sub-Surface mining c) Tunneling d) Both a & b.

55. Environmental issues of mining activities are

- a) Contamination of ground water by chemicals
b) Loss of biodiversity
c) Formation of sink hole & deep holes
d) All

56. Which of the fallowing is not the environmental effect of industrialization, in general

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

57. Environmental impact of mining(I-2008)

- a) Brings order into social setup
b) Devastation of ecosystem
c) Present mining activity is a sustainable development
d) Mining has no adverse effect on ecosystem as it is located in remote areas

58. Mineral resource are (I-2006)

- a) Renewable b) Available c) **Non-renewable** d) equally distributed.

59. The most abundant element in the earths crust is

- a) Oxygen **b) silicon** c) Sodium d) Iron

60. Mineral is a

- a) Organic matter **b) Naturally occurring inorganic substance**
- c) Synthesis compound d) None.

61. Ore is a

- a) Metallic element** b) Non-metallic element c) Both a) & b) d) None.

62. Ore deposits enclosed in a rock is called

- a) Hot rocks** b) Deposit rocks c) Secondary rocks d) Both a & b.

63. The Gold field in Kranataka

- a) Ramagiri **b) Hutti** c) Talcher d) Singrauli.

64. Thorium oxide is available in

- a) Orissa b) Kerala c) Tamilnadu **d) All.**

65. Sustainable development means

- a) Meeting present needs without compromising on the future needs
- b) Progress in human well beings
- c) Balance between human needs and the ability of Earth to provide the resources
- d) All the above**

66. The most important remedy to avoid negative impact due to industrialization is

- a. Industry should be closed
- b. Don't allow new industrial units
- c. Industry should treat all the wastes generated by it before disposal**
- d. Industries should be shifted far away from human habit tats.

67. E.I.A. can be expanded as

- a. Environment & Industiral Act
- b. Environment & Impact Activities
- c. Environmental Impact Assessment**
- d. Environmentally Important Activity

68. E.I.A. is related to

- a. Resource conservation b. Efficient equipment/process
- c. Waste minimization **d. All of the above**

69. In order to protect the health of people living along the adjoining areas of roads, one should.

- a. Plant trees alongside of the roads**
- b. Not allow diesel driven vehicles
- c. Shift them (people) to other places
- d. None of the above

70. The pollution caused by transportation/vehicular activities depends on

- a. Type of the vehicle's engine b. Age of the vehicle
- c. Traffic congestion **d. All of the above**

71. Sustainable development will not aim at

- a) social economic development which optimizes the economic and societal benefits available in the present, without spoiling the likely potential for similar benefits in the future
- b) reasonable and equitably distributed level of economic well being that can be perpetuated continually
- c) Development that meets the needs of the present without compromising the ability of future generations to meet their own needs**

d) Maximizing the present-day benefits through increased resource

72. Which of the following is a key element of EIA?

- a) Scoping b) Screening
- c) Identifying and evaluating alternatives **d) all of the above**

73. "Earth Day" is held every year on

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

74. Eutrophication is

- a) an improved quality of water in lakes
- b) a process in carbon cycle
- c) the result to accumulation of plant nutrients in water bodies**
- d) a water purification technique

75. Major purpose of most of the Dams around the world is

- a) Power generation b) Drinking water supply
- c) Flood control **d) Irrigation**

76. Which of the following is the most environmentally friendly agriculture practice?

- a) Using chemical fertilizers b) Using insecticides
- c) Organic farming** d) None of the above

77. The adverse effect of modern agriculture is

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

78. Soil erosion removes surface soil which contains

- a) Organic matter b) Plant nutrients
- c) **Both a and b** d) None of the above

79. Water logging is a phenomenon in which

- a) Crop patterns are rotated
- b) **Soil root zone becomes saturated due to over irrigation**
- c) Erosion of soil
- d) None of the above

80. The impact of construction of dams

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

81. Which of the following statement is false

- a) Soil erosion effects the productivity of agriculture fields
- b) It takes 300 years for one inch of agricultural top soil to form
- c) The amount of erosion depends on soil type, slope, drainage pattern and crop management practices
- d) **Soil erosion helps to retain water and nutrients in the root zone**

82. Which of the following statement is true

- a) Surface runoff do not carry pesticides into streams
- b) Water percolating downward through agriculture lands carries with it dissolved chemicals and contaminate ground water
- c) **Present agricultural practice does not contaminate water**
- d) None of the above

83. Farmers have a tendency to

- a) Use optimum quantity of water
- b) To over irrigate their crops**
- c) To conserve water
- d) All of the above

84. Organic Farming is

- a) Farming without using pesticides and chemical fertilizers
- b) Enhances biodiversity
- c) Promotes soil biological activity
- d) All of the above**

85. What would you do to prevent environmental damage

- a) Plant trees
- b) Halt deforestation
- c) Control pollution
- d) All of the above**

86. Environmental impact assessment

- a) Is a study of feasibility of a project
- b) Is a study of bio-physical characteristics of the environment that may result from a human action
- c) Both „a“ and „b“
- d) None of the above

87. EIA study will help

- a) Maximizing the benefits without overloading the planets ecosystem**
- b) To estimate the future needs of the society
- c) To smooth implementation of the project
- d) To cope up with rapid growth of population

88. Ecosystem is disturbed by housing activity because

- a) Large volume of raw materials like brick, stone, timber, cement, steel plastic etc are required to be produced**
- b) Housing is required to provide shelter to growing population

- c) Majority of housing projects are concentrated in cities only
- d) Standard of living is increased by modern houses

89. Environmental impact of mining

- a) Brings order into social setup

b) Devastation of ecosystem

- c) Present mining activity is a sustainable development
- d) Mining has no adverse effect on ecosystem as it is located in remote areas

90. Effect of modern agriculture on soil is due to

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

91. Bio-remediation means the removal of contaminants from

- a) Soil b) Wastewater c) Groundwater **d) Both Soil and Groundwater**