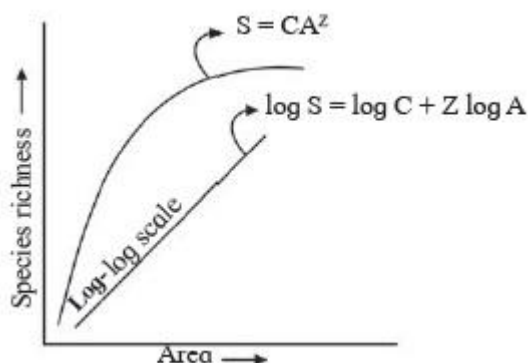


15. Biodiversity, Conservation and Environmental Issues

1) In the graph $S = ?$



- (a) CA^2 (b) CA (c) CA^3 (4) C^2A^2

2) There are _____ patterns of biodiversity.

- (a) Three (b) Two (c) One (d) Five

3) The term “terror of Bengal” is used for _____.

- (a) algal bloom (b) water hyacinth
(c) increased BOD (d) eutrophication

4) _____ designation applied to species in which the last individual has died or is not recorded.

- (a) Vulnerable
(b) Critically endangered
(c) Extinct
(d) Extinct in the wild

5) Match the following (column 1 with column 2)

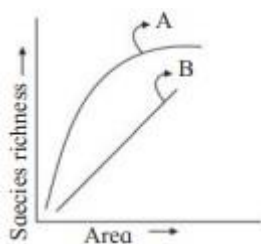
Column 1	Column 2
i. Endangered	(a) The amount of data related to its risk of extinction
ii. Conservation of biodiversity	(b) Species that are pervasive and abundant
iii) Data deficient	(c) High risk of extinction
iv) list concern	(d) Protection and management of Biodiversity

- (a) i-d, ii-a, iii- c, iv-b (b) i-d, ii-a, iii- b, iv-c
(c) i-d, ii-a, iii- c, iv-b (d) i-c, ii-d, iii- a, iv-b

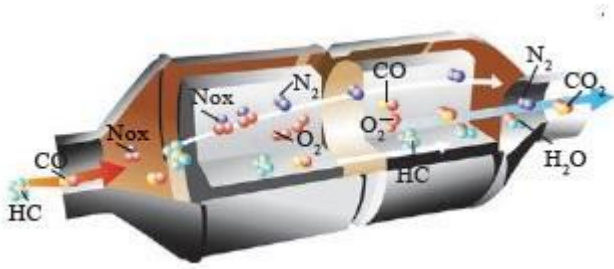
6) The phenomenon through which certain pollutants get accumulated in tissues in increasing concentration along the food chain is called _____.

- (a) ecosystem
(b) biodiversity conservation
(c) biological magnification
(d) biochemical oxygen demand

- 7) _____ pollution of water is caused due to rise in temperature of water.
 (a) Thermal pollution (b) Sewage water
 (c) Recycling of water (d) Landfills
- 8) _____ involved in biodegradation of organic matter in water body consume lot of dissolved oxygen.
 (a) Aquatic animals (b) Microorganisms
 (c) Water hyacinth (d) Phytoplankton
- 9) Which one of the following statements is NOT true about noise pollution.
 (a) Noise pollution creates sleeplessness, heart diseases and psychological stress.
 (b) Noise is an undesired high level of sound.
 (c) Sources of noise pollution are radioactive waste.
 (d) Construction site, transportation, and industries cause noise pollution.
- 10) Which one of the following statements is not true about biological diversity act.
 (a) India passed biological diversity act in the year 2002
 (b) A 3-tier system has been established with national biodiversity authority
 (c) It includes value added products and human genetic material.
 (d) The law broadly defines biodiversity.
- 11) Find the odd one out from the following
 Western Ghats, Ex situ conservation, Indo-Burma Ghats, Eastern Himalayas
 (a) Western Ghats
 (b) Indo-Burma Ghats
 (c) Eastern Himalayas
 (d) Ex situ conservation
- 12) Substance that causes pollution is called _____.
 (a) pollutant (b) precipitant
 (c) particles (d) particulate
- 13) There are _____ biodiversity hotspots have been identified by the conservationists.
 (a) 30 (b) 39 (c) 32 (d) 34
- 14) Observe the graph and select correct option.

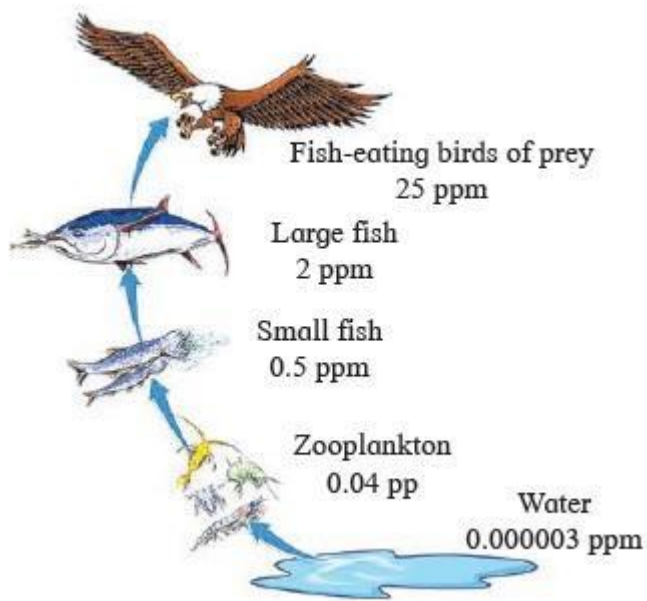


- (a) Line A represents, $S = CA^2$
 (b) Line B represents, $\log C = \log A + Z \log S$
 (c) Line A represents, $S = CA^Z$
 (d) Line B represents, $\log S = \log Z + C \log A$
- 15) The mentioned instrument is called ____.



- (a) Electrostatic precipitator
- (b) Gas scrubber
- (c) Catalytic converter
- (d) Emission controller

16) The flow chart represents ____.



- (a) Eutrophication
- (b) Biodiversity
- (c) Biomagnification
- (d) Over exploitation

17) The extinct animal is ____.



- (a) Dodo
- (b) Stellar sea cow
- (c) Dolphin
- (d) Catfish

18) _____ leads to lesser variation in biomass production over a period.

- (a) Ecosystem (b) Productivity
- (c) Rich diversity (d) Species diversity

19) Several _____ species are not cultivable under laboratory condition.

- (a) Moneran (b) Algal
- (c) Mammals (d) Reptiles

20) Match the following (Table 1 with Table2)

Table 1	Table 2
i) Anthropogenic extinction	(a) Water hyacinth
ii) Damage to Biodiversity	(b) over exploitation
iii) Invasive species	(c) Man made
iv) Extinction	(d) caused by natural and man made

- (a) i-d, ii-a, iii- c, iv-b
- (b) i-d, ii-a, iii- b, iv-c
- (c) i-d, ii-a, iii- c, iv-b
- (d) i-c, ii-d, iii- a, iv-b

21) Which of the following is NOT a cause for loss of biodiversity.

- (a) Over exploitation of natural resources
- (b) Destruction of habitat
- (c) Species diversity
- (d) Keeping animals in Zoological parks.

22) The diversity of life at all the 3 levels is now rapidly being modified by _____

- (a) Modern man
- (b) Plants
- (c) Ecosystem
- (d) Tropical forest

23) Generally there may be one or many_____ in a region.

- (a) Biodiversity
- (b) Ecosystem
- (c) Genetic diversity
- (d) Species diversity

24) _____ is essential for a healthy breeding population of a species.

- (a) Genetic diversity
- (b) Interspecific diversity
- (c) Ecosystem
- (d) Patterns of biodiversity

25) _____ deals with variety of species as well as number of individuals of different species.

- (a) Species diversity
- (b) patterns of biodiversity
- (c) Species evenness
- (d) Species area relationship

26) _____ Pollutants are of two types, particulates pollutants and gaseous pollutants.

(a) Air (b) Water (c) Gaseous (d) Soil

27) Conservation means sustainable use of _____.

- (a) biodiversity
- (b) natural resources
- (c) in situ conservation
- (d) bioprospecting

28) _____ air pollutants may be solid or liquid.

- (a) Particulate
- (b) Gaseous
- (c) Both a and b
- (d) Ozone depleting

29) _____ forest is estimated to produce 20% of total oxygen of earth's atmosphere.

- (a) Eastern Himalayas
- (b) Amazon
- (c) Western Ghats
- (d) Nigiri forest

30) Nitrogen dioxide and nitrogen monoxide are released by _____.

- (a) automobiles and chemical industries
- (b) pesticides
- (c) radioactive elements
- (d) heavy metals and dust

31) _____ resulted in the overexploitation of resources which created threats to various organism.

- (a) Co- extinction
- (b) Human needs
- (c) Invasion
- (d) Conservation of Biodiversity

32) _____ category containing those species that possess an extremely high risk of extinction.

- (a) Vulnerable
- (b) Critically endangered
- (c) Extinct
- (d) Extinct in the wild

33) Which of the below mentioned reasons not included in conservation of biodiversity?

- (a) Ethical reason
- (b) Narrowly utilitarian reason
- (c) Broadly utilitarian reason
- (d) In situ conservation

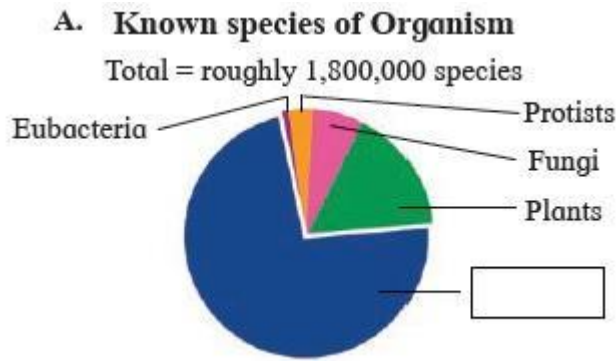
34) Which of the following statements is not related to habitat loss and fragmentation?

- (a) Loss of local habitat due to human activities
- (b) Tropical rainforest is being lost
- (c) Extinction of species due to overexploitation
- (d) Not creating crisis for the living being.

35) The ozone shield has been disturbed by the presence of gases like _____.

- (a) Methane
- (b) Carbon monoxide
- (c) Chlorofluorocarbon
- (d) Nitrous oxide

36) In the given figure blank portion represent



- (a) Flowering plants (b) Animals
(c) Mosses (d) Ferns

37) _____ and _____ are commonly called greenhouse gases.

- (a) CO_2 and NO_2 (b) CO_2 and CH_4
(c) CH_4 and H_2SO_4 (d) Cu_2SO_4 and H_2O

38) _____ are substitute for open burning dumps.

- (a) Solid waste management.
(b) Sanitary landfills
(c) Ecological sanitation
(d) Biomagnification

39) Which of the following is NOT true about Biodiversity?

- (a) It includes bacteria, virus, algae, and fungi
(b) The term biodiversity was coined by Walter Rosen
(c) The diversity is with respect to size save colour and form
(d) It does not include animals surviving on earth.

40) Loss of Biodiversity leads to _____.

- (a) Extinction of species
(b) Induces plant production
(c) Good for environment
(d) Suitable for both plant and human life.

41) _____ are used to clean air and it can remove gases like SO_2 .

- (a) Exhaust gas scrubbers
(b) Electrostatic precipitator
(c) Catalytic converters
(d) Thermal plant

42) Select odd one out on the basis of Ex situ conservation.

- (a) Zoological park (b) Tissue culture
(c) Sacred groves (d) Embryopreservation

43) Which of the following factors will favour species diversity?

- (a) Invasive species (b) Glaciation
(c) Forest canopy (d) co extinction

44) CFC are air polluting agents which are produced by _____.

- (a) Diesel trucks (b) Jet planes
(c) Rice fields (d) Industries

15. Biodiversity, Conservation and Environmental Issues Keys

- 1) Ans. (a)**
- 2) Ans. (b)**
- 3) Ans. (b)**
- 4) Ans. (c)**
- 5) Ans. (d)**
- 6) Ans. (c)**
- 7) Ans. (a)**
- 8) Ans. (b)**
- 9) Ans. (c)**
- 10) Ans. (c)**
- 11) Ans. (d)**
- 12) Ans. (a)**
- 13) Ans. (d)**
- 14) Ans. (a)**
- 15) Ans. (c)**
- 16) Ans. (c)**
- 17) Ans. (b)**
- 18) Ans. (c)**
- 19) Ans. (a)**
- 20) Ans. (d)**
- 21) Ans. (c)**
- 22) Ans. (a)**
- 23) Ans. (b)**
- 24) Ans. (a)**
- 25) Ans. (a)**
- 26) Ans. (a)**

27) Ans. (b)

28) Ans. (a)

29) Ans. (b)

30) Ans. (a)

31) Ans. (b)

32) Ans. (b)

33) Ans. (d)

34) Ans. (d)

35) Ans. (c)

36) Ans. (b)

37) Ans. (b)

38) Ans. (b)

39) Ans. (d)

40) Ans. (a)

41) Ans. (a)

42) Ans. (c)

43) Ans. (c)

44) Ans. (b)