

Anekant Education Societies

Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati

Autonomous

T.Y.B.Sc Environmental Science

EVS 3501 Ecosystem Management

Question bank

Q.1 Multiple choice Question.

- 1) Singal bacterium in soil interacts with.....
 - 1) Water
 - 2) Air
 - 3) Particles of soil surround it
 - 4) All of above
- 2) The region of earth where life is exist is known as.....
 - 1) Atmosphere
 - 2) Biosphere
 - 3) Lithosphere
 - 4) Hydrosphere
- 3) In the biosphere energy is received from.....
 - 1) The Sun
 - 2) The interior of the earth
 - 3) Both 1 and 2
 - 4) Work
- 4) The biosphere consists of the following.....
 - 1) Lakes
 - 2) Solids

- 3) Solid sediments
 - 4) All of the above
- 5) In which of the following forms, the water products are discharged into the biosphere?
- 1) Gaseous.
 - 2) Liquid
 - 3) Solid
 - 4) All of the above
- 6) Ecosystem is smallest unit of.....
- 1) Ionosphere
 - 2) Lithosphere
 - 3) Biosphere
 - 4) Mesosphere
- 7) Energy..... In an ecosystem.
- 1) Is released
 - 2) Is absorbed
 - 3) Flows
 - 4) None of above
- 8) The set of ecosystem is called a.....
- 1) Biome
 - 2) Climate
 - 3) Subsystem
 - 4) Structure
- 9) The following is an example of terrestrial biome.....
- 1) Tropical rain forest
 - 2) Rivers

3) Streams

4) All of the above

10) Terrestrial biome has a rapid exchange of

1) Carbon dioxide

2) Oxygen

3) Water

4) All of the above

11) GIS stands for.....

1) Geographical information system

2) Geometrical Information System

3) Both 1 and 2

4) None of above

12) Which of the following are types of interaction?

1) Mutualism

2) Commensalism

3) Antibiosis

4) All of the above

13) How many types of aquatic ecosystem are there?

1) One

2) Two

3) Three.

4) Four

14) Where plants and animals live in aquatic ecosystem?

1) Water

2) Land

3) Air

4) Fire

15) Which is the largest ecosystem on earth?

1) Desert

2) Forest

3) Grasslands

4) Oceans

16) Which is the simplest aquatic ecosystem?

1) Pond

2) Stream

3) Lake

4) Marine

17) Which is not a fresh water ecosystem?

1) River

2) Lake

3) Estuary

4) Stream

Q.2 Answer in one sentence.

1) Define Terrestrial ecosystem?

2) Which are the parameters present in terrestrial ecosystem?

3) Define soil subsystem.

4) What is Ecotone?

3) Define Keystone species.

4) Enlist types of the interaction

5) Define mutualism

- 6) Enlist two methods of terrestrial ecosystem management.
- 7) What is mean by aquatic ecosystem?
- 8) What is mean by Limnology?
- 9) Enlist the aquatic biota.
- 10) What is mean by the GIS?
- 11) Which are the parameters are in aquatic environment?
- 12) What is mean by Estuary?
- 13) Define antibiosis.
- 14) Define Commensalism.
- 15) Which are the examples of hotspot in India?
- 16) JFM stands for.
- 17) Define Limnology.
- 18) What is the species association?
- 19) What is mean by predation?
- 20) Write two methods of ecosystem management?
- 21) Definitions of Hotspot.
- 22) Enlist parameters of terrestrial ecosystem.
- 23) Enlist parameters of aquatic ecosystem.
- 24) Give an example of terrestrial biota.
- 25) Give an example of aquatic biota.

Q.3. Short notes.

- 1) Explain Joint Forest Management (JFM).
- 2) Explain line and belt transect method.
- 3) Short note on GIS.
- 4) Short note on commensalism.

- 5) Explain terrestrial community structure.
- 6) Explain remote sensing.
- 7) Short note on Ecotone and Edge effect.
- 8) Short note on terrestrial ecosystem management.
- 9) Explain vegetation classification.
- 10) General structure of terrestrial community.
- 11) Classification of terrestrial community.
- 12) Traditional methods of ecosystem management.
- 13) Short note on forest fire.
- 14) Aquatic ecosystem structure.
- 15) Management of aquatic ecosystem.
- 16) Explain mutualism.
- 17) Give example of mutualism.
- 18) What is mean by keystone species?
- 19) What is mean by cooperation?
- 20) Explain definition of Predation and parasitism.

Q.4. Short Answer question.

- 1) Explain structure of terrestrial ecosystem.
- 2) Give information about terrestrial biota and biogeographic region.
- 3) Explain general structure of terrestrial community with labeled diagram.
- 4) Explain Ecotone and edge effect with diagram.
- 5) Explain interaction and its types (any one)
- 6) Enlist methods of terrestrial ecosystem management and explain any one shortly.
- 7) Explain GIS and its application.
- 8) Explain line and Belt method of ecosystem management.

- 9) Explain structure of Aquatic ecosystem with diagram.
- 10) Explain Aquatic biota with example.
- 11) Explain water resources.
- 12) Explain sampling approaches and species association.
- 13) Traditional methods of aquatic sampling.
- 14) GIS in aquatic ecosystem management.
- 15) Which are the parameters of the aquatic ecosystem and explain it?
- 16) Difference between parasitism and predation.
- 17) Difference between western ghat and eastern Himalaya.
- 18) Explain cooperation.
- 19) Explain eco development program.
- 20) Define biogeographic region.

Q.5 Long Answer Question.

- 1) Give importance and application of terrestrial ecosystem.
- 2) Explain importance and application of Aquatic ecosystem.
- 3) Explain remote sensing briefly.
- 4) Explain Geographical information system briefly.
- 5) Explain joint forest management in detail.
- 6) Explain the structure of aquatic and terrestrial ecosystem.
- 7) Explain forest fire: reason, effect, control measures and management methods.
- 8) Explain methods of terrestrial ecosystem management.
- 9) Explain methods of aquatic ecosystem management.
- 10) Explain interaction in briefly.
- 11) Difference between Terrestrial ecosystem and aquatic ecosystem.
- 12) Explain aquatic ecosystem in brief.

13) Explain terrestrial ecosystem management in brief.