

9th Social Science Lesson 16 Questions in English - Geography

5] Biosphere

1. Which of the following statement is correct?
- 1) Biosphere, the fourth sphere of the Earth, is a life supporting layer that exists on the earth's surface
- 2) This layer on earth encompasses the Lithosphere, Hydrosphere and Atmosphere.
- 3) It includes flora and fauna that thrive on or near the earth's surface.
- a) 1, 2
b) 1, 3
c) 2, 3
d) All the above
2. What is the approximate vertical range of Biosphere?
- a) 10 Kms
b) 20 Kms
c) 30 Kms
d) 15 Kms
3. Assertion (A): An ecosystem is a community, where all living organisms live and interact with one another and also with their non-living environment
- Reason (R): Biosphere harbours all ecosystems on the earth and sustains life forms including Mankind
- a) Both (A) and (R) are correct, but (R) does not explain (A)
b) Both (A) and (R) are wrong
c) Both (A) and (R) are correct and (R) explains (A)
d) (A) is Correct and (R) is wrong
4. The branch of science that deals about ecosystem is called_____
- a) Eulogy
b) Ecology
c) Environmentology
d) Economy
5. Which of the following is/are Abiotic factor?
- 1) Soil
2) Water
3) Algae
4) Land
- a) 1, 2, 3
b) 2, 3, 4
c) 1, 3, 4
d) 1, 2, 4
6. Which of the following statement is correct?
- 1) Biotic components include plants, animals and micro- organisms.
- 2) Producers are self- nourishing components of the ecosystem
- 3) Consumers are those that depend on producers, directly or indirectly.
- a) 1, 2
b) 1, 3
c) 2, 3
d) All the above
7. Match the following
- I. Primary consumers - 1. Lion
II. Secondary consumers - 2. Owl
III. Tertiary consumers - 3. Zebra
IV. Decomposer - 4. Mushroom
- a) 4, 1, 3, 2
b) 2, 3, 1, 4
c) 3, 1, 2, 4
d) 4, 3, 2, 1
8. Which of the following statement is correct?
- 1) All organisms in the biosphere use energy to work and convert one form of energy into another.

2) Water is the ultimate source of energy for the biosphere as a whole

3) The producers, consumers and the decomposers contribute a lot to the energy flow in an ecosystem.

- a) 1, 2
- b) 1, 3
- c) 2, 3
- d) All the above

9. Assertion (A): The living organisms form an interacting set of flora and fauna which are organized into trophic levels, food chains and food webs

Reason (R): Energy flow generally takes place in a hierarchical order in an ecosystem through various levels.

- a) Both (A) and (R) are correct, but (R) does not explain (A)
- b) Both (A) and (R) are wrong
- c) Both (A) and (R) are correct and (R) explains (A)
- d) (A) is Correct and (R) is wrong

10. A system of interlocking and interdependent food chains is called a _____

- a) Food Path
- b) Food Web
- c) Food Cycle
- d) Food Route

11. Which of the following statement is correct?

- 1) Biodiversity or biological diversity refers to a wide variety of living organisms which live in a habitat.
- 2) In biodiversity, each species, no matter how big or small, has an important role to play in the ecosystem.
- 3) It maintains the ecological balance and facilitates social benefits such as tourism, education, research etc. over an area

- a) 1, 2
- b) 1, 3

c) 2, 3

d) All the above

12. Assertion (A): The extinction of species (flora and fauna) due to human and natural influences is called loss of biodiversity

Reason(R): A healthy eco system provides clean water, pure water, enriched soil, food, raw materials, medicines etc.

- a) Both (A) and (R) are correct, but (R) does not explain (A)
- b) Both (A) and (R) are wrong
- c) Both (A) and (R) are correct and (R) explains (A)
- d) (A) is Correct and (R) is wrong

13. Which of the following statement is correct?

- 1) A biome is a geographically extensive ecosystem where all flora and fauna are found collectively.
- 2) Biomes are only defined by biotic factors
- 3) It is the total assemblage of plant and animal life interacting within the biosphere

- a) 1, 2
- b) 1, 3
- c) 2, 3
- d) All the above

14. Which of the following region is considered as a hot-spot?

- a) An ecological region that has lost more than 70% of its original habitat
- b) An ecological region that has lost more than 30% of its original habitat
- c) An ecological region that has lost more than 90% of its original habitat
- d) An ecological region that has lost more than 50% of its original habitat

15. Which of the following are Some of the major terrestrial biomes of the world?

- 1) Tropical Forest Biomes
- 2) Tropical Savanna Biomes

- 3) Tundra Biomes
4) Desert Biomes
a) 1, 2, 4
b) 1, 3, 4
c) 2, 3, 4
d) All the above
16. Which of the following are included in Tropical Forest Biomes?
1) Evergreen rainforest
2) Seasonal deciduous forest
3) Sundarbans
a) 1, 2
b) 1, 3
c) 2, 4
d) All the above
17. Which of the following are major of Tropical Forest Biomes?
1) Amazon basin
2) Congo basin
3) Nalathanithevu
4) Indonesian islands
a) 1, 3, 4
b) 2, 3, 4
c) 1, 2, 4
d) All the above
18. Which of the following fever is/are common in Tropical Forest Biomes?
a) Malaria
b) Yellow fever
c) Cancer
d) a and b
19. Which of the following plant can be used to treat Cancer?
a) Neem
b) Lapacho
c) Papaya
d) All the above
20. Tropical grasslands are generally found between___ forests and___
a) Temperate, Desert
b) Tropical, Desert
c) Desert, Ocean
d) Temperate, Ocean
21. Which of the following are the features of Tropical Savanna (Grasslands) Biomes?
1) Hot
2) Dry
3) Wet
4) Low rainfall
a) 1, 2, 4
b) 2, 3, 4
c) 1, 2, 3
d) All the above
22. Which of the following fauna are threatened by parts of the Savanna grasslands are being converted into farmland?
1) Lion
2) Grass
3) Chetah
a) 1, 2
b) 1, 3
c) 2, 3
d) All the above
23. What is the annual rainfall of Desert biomes?
a) Less than 100 cm
b) More than 50 cm and less than 100 cm
c) Less than 25 cm
d) Less than 50 cm
24. Which of the following statement is correct?
1) Due to the lack of rainfall and arid conditions, these regions do not possess any vegetation
2) It has a special vegetation type called Xerophytes
3) Drought resistant thorny scrubs and bushes, palms are found here.

- a) 1, 2
b) 1, 3
c) 2, 3
d) All the above
25. Which of the following are mostly found in Desert biomes?
1) Lizard
2) Snake
3) Black Chetah
4) Scorpions
a) 1, 2, 3
b) 2, 3, 4
c) 1, 2, 4
d) All the above
26. Which of the following statement about Oases is correct?
1) Oases are fed by springs.
2) An oasis is a Salt water source found in deserts and semi-arid regions
3) Crops like date palms, figs, citrus fruits, maize etc. are cultivated near these oases.
a) 1, 2
b) 1, 3
c) 2, 3
d) All the above
27. Which of the following are the features of Temperate grassland biomes?
1) They are found near the coastal plains of the continent
2) They are characterized by large seasonal temperature variations
3) The type of grassland in these regions strongly depends upon precipitation
a) 1, 2
b) 1, 3
c) 2, 3
d) All the above
28. Which of the following cultivation is favoured by Temperate Grassland Biomes?
a) Rice
b) Wheat
c) Dates
d) Cotton
29. Match the following:
I. North America - 1. Prairies
II. Argentina - 2. Manchurian
III. Australia - 3. Pampas
IV. China - 4. Downs
a) 4, 1, 2, 3
b) 2, 1, 3, 4
c) 1, 3, 4, 2
d) 1, 4, 3, 2
30. Which of the following falls in the Tundra biomes?
1) Iceland
2) Greenland
3) Arctic
4) Antarctic
a) 1, 2, 4
b) 2, 3, 4
c) 1, 2, 3
d) All the above
31. Which of the following is the occupation of Tundra region?
a) Poultry
b) Farming
c) Hunting and fishing
d) Cattle rearing
32. Which of the following statement is correct?
1) Aquatic biome is a group of living organisms that live and interact with one another and its aquatic environment for nutrients and shelter.
2) Like terrestrial biomes, aquatic biomes are influenced by a series of abiotic factors

- a) 1 alone
b) 2 alone
c) 1, 2
d) None
33. Which of the following plants grow in Fresh water Biomes?
1) Water lily
2) Lotus
3) Duck weeds
a) 1, 2
b) 1, 3
c) 2, 3
d) All the above
34. Which of the following is not included in fresh water biomes?
a) Lakes
b) Ponds
c) River
d) Estuaries
35. Which of the following statement is correct?
1) They are the largest aquatic biomes on earth
2) They are continuous bodies of salt water and provide a wide range of habitats for marine plants and animals.
3) Coral reefs are a second kind of marine biomes within the ocean
a) 1, 2
b) 1, 3
c) 2, 3
d) All the above
36. Assertion (A): Aquatic biomes are not only important for plants and animals, but also for humans
Reason (R): Humans use aquatic biomes for water, food and leisure activities.
a) Both (A) and (R) are correct, but (R) does not explain (A)
b) Both (A) and (R) are wrong
c) Both (A) and (R) are correct and (R) explains (A)
d) (A) is Correct and (R) is wrong
37. Which of the following statement is correct?
1) The biosphere extends from the deep ocean trenches to lush rain forests.
2) People play an important role in maintaining the flow of energy in the biosphere
3) There are places on earth that are both biologically rich and deeply threatened
a) 1, 2
b) 1, 3
c) 2, 3
d) All the above
38. How many Biosphere reserves are there in India?
a) 11
b) 12
c) 18
d) 22