

1. Why is there a concern about copper smelting plants?

1. They may release lethal quantities of carbon monoxide into environment.
2. The copper slag can cause the leaching of some heavy metals into environment.
3. They may release sulphur dioxide as a pollutant.

Select the correct answer using the code given below.

- (a) 1 and 2 only (b) 2 and 3 only
(c) 1 and 3 only (d) 1, 2 and 3...

Answer-b

2. With reference to furnace oil, consider the following statements:

1. It is a product of oil refineries.
2. Some industries use it to generate power.
3. Its use causes sulphur emissions into environment. Which of the statements given above are correct? (a) 1 and 2 only (b) 2 and 3 only

- (c) 1 and 3 only (d) 1, 2 and 3

Answer-d

3. In the nature, which of the following is/are most likely to be found surviving on a surface without soil?

1. Fern 2. Lichen
3. Moss 4. Mushroom

Select the correct answer using the code given below.

- (a) 1 and 4 only (b) 2 only
(c) 2 and 3 (d) 1, 3 and 4

Answer-c

4. Which one of the following is used in preparing a natural mosquito repellent?

- (a) Congress grass (b) Elephant grass
(c) Lemongrass (d) Nut grass

Answer-c

5. Consider the following kinds of organisms:

1. Copepods
2. Cyanobacteria
3. Diatoms
4. Foraminifera

Which of the above are primary producers in the food chains of oceans?

- (a) 1 and 2 (b) 2 and 3
(c) 3 and 4 (d) 1 and 4

Answer-b

6. Consider the following animals:

1. Hedgehog
 2. marmot
 3. Pangolin to reduce the chance of being captured by predators,
- which of the above organisms rolls up/roll up and protects/protect its/their vulnerable parts?
(a) 1 and 2 (b) 2 only (c) 3 only (d) 1 and 3

Answer-d

7. With reference to the 'New York Declaration on Forests', which of the following statements are correct?

1. It was first endorsed at the United Nations Climate Summit in 2014.
2. It endorses a global timeline to end the loss of forests.
3. It is a legally binding international declaration.
4. It is endorsed by governments, big companies and indigenous communities.
5. India was one of the signatories at its inception.

Select the correct answer using the code given below.

- (a) 1, 2 and 4 (b) 1, 3 and 5
(c) 3 and 4 (d) 2 and 5

Answer-a

8. Magnetite particles, suspected to cause neurodegenerative problems, are generated as environmental pollutants from which of the following?

1. Brakes of motor vehicles
2. Engines of motor vehicles
3. Microwave stoves within homes
4. Power plants
5. Telephone lines

Select the correct answer using the code given below.

- (a) 1, 2, 3 and 5 only (b) 1, 2 and 4 only

(c) 3, 4 and 5 only

(d) 1, 2, 3, 4 and 5

Answer-d

9. Which one of the following is a filter feeder?

(a) Catfish (b) Octopus

(c) Oyster (d) Pelican

Answer-c

10. In case of which one of the following biogeochemical cycles, the weathering of rocks is the main source of release of nutrient to enter the cycle?

(a) Carbon cycle (b) Nitrogen cycle

(c) Phosphorus cycle (d) Sulphur cycle

Answer-c

11. Which of the following are detritivores?

1. Earthworms

2. Jellyfish

3. Millipedes

4. Seahorses

5. Woodlice

Select the correct answer using the code given below.

(a) 1, 2 and 4 only

(b) 2, 3, 4 and 5 only

(c) 1, 3 and 5 only

(d) 1, 2, 3, 4 and 5

Answer-c

12. The 'Common Carbon Metric', supported by UNEP, has been developed for

(a) assessing the carbon footprint of building operations around the world

(b) enabling commercial farming entities around the world to enter carbon emission trading

(c) enabling governments to assess the overall carbon footprint caused by their countries

(d) assessing the overall carbon footprint caused by the use of fossil fuels by the world in a unit time

Answer-a

13. Which of the following have species that can establish symbiotic relationship with other organisms?

1. Cnidarians 2. Fungi 3. Protozoa

Select the correct answer using the code given below.

(a) 1 and 2 only

(b) 2 and 3 only

(c) 1 and 3 only (d) 1, 2 and 3

Answer-d

14. How is the permaculture farming different from conventional chemical farming?

1. Permaculture farming discourages monocultural practices but in conventional chemical farming, monoculture practices are predominant.
2. Conventional chemical farming can cause increase in soil salinity but the occurrence of such phenomenon is not observed in permaculture farming.
3. Conventional chemical farming is easily possible in semi -arid regions but permaculture farming is not so easily possible in such regions. 4. Practice of mulching is very important in permaculture farming but not necessarily so in conventional chemical farming. Select the correct answer using the code given below.

(a) 1 and 3 (b) 1, 2 and 4
(c) 4 only (d) 2 and 3

Answer-b

15. With reference to 'palm oil', consider the following statements:

1. The palm oil tree is native to Southeast Asia.
2. The palm oil is a raw material for some industries producing lipstick and perfumes.
3. The palm oil can be used to produce biodiesel. Which of the statements given above are correct?

(a) 1 and 2 only (b) 2 and 3 only
(c) 1 and 3 only (d) 1, 2 and 3

Answer-b

16. Consider the following statements:

1. The Global Ocean Commission grants licences for seabed exploration and mining in international waters.
2. India has received licences for seabed mineral exploration in international waters.
3. 'Rare earth minerals' are present on seafloor in international waters. Which of the statements given above are correct?

(a) 1 and 2 only (b) 2 and 3 only
(c) 1 and 3 only (d) 1, 2 and 3

Answer-b

17. In the context of India's preparation for ClimateSmart Agriculture, consider the following statements:

1. The 'Climate-Smart Village' approach in India is a part of a project led by the ClimateChange, Agriculture and Food Security (CCAFS), an international research programme.
2. The project of CCAFS is carried out under Consultative Group on International AgriculturalResearch (CGIAR) headquartered in France.
3. The International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) in India is one of the CGIAR's research centres.

Which of the statements given above are correct?

- (a) 1 and 2 only (b) 2 and 3 only
(c) 1 and 3 only (d) 1, 2 and 3

Answer-d

18. The vegetation of savannah consists of grassland with scattered small trees, but extensive areas have no trees. The forest development in such areas is generally kept in check by one or more or a combination of some conditions. Which of the following are such conditions?

1. Burrowing animals and termites
 2. Fire
 3. Grazing herbivores
 4. Seasonal rainfall
 5. Soil properties
- Select the correct answer using the code given below.

- (a) 1 and 2 (b) 4 and 5
(c) 2, 3 and 4 (d) 1, 3 and 5

Answer-c

19. Consider the following statements:

1. Moringa (drumstick tree) is a leguminous evergreen tree.
 2. Tamarind tree is endemic to South Asia.
 3. In India, most of the tamarind is collected as minor forest produce.
 4. India exports tamarind and seeds of moringa.
 5. Seeds of moringa and tamarind can be used in the production of biofuels.
- Which of the statements given above are correct?

- (a) 1, 2, 4 and 5 (b) 3, 4 and 5
(c) 1, 3 and 4 (d) 1, 2, 3 and 5

Answer-b