

Class: 12
Subject: Biology
Topic: Biodiversity And Conservation
No. of Questions: 20
Duration: 60 Min
Maximum Marks: 60

1. Acid rain is caused by pollutants

- A. SO₂ and SO₃
- B. SO₂ and CO
- C. NH₃ and CO
- D. SO₂ and NH₃

Ans. A

SO₂ and SO₃ are both greenhouse gases.

2. Greenhouse effect is due to

- A. X-rays
- B. UV rays
- C. Green rays
- D. Infra-red rays

Ans. D

3. The reason for green-house effect is

- A. Higher CO₂ concentration causing rays by gases
- B. Absorption of infra-red rays by gases and dust particles
- C. Both A and B
- D. Rarefaction of CO₂

Ans. C

4. Which of the following is responsible for causing skin cancer and mutations

- A. Ozone depletion
- B. Smog formation
- C. Snowfall
- D. Smoke from aeroplane

Ans. A - Solution: The depletion of ozone layer causes the U-V rays to reach the earth which causes skin cancers and gene mutations

5. Kyoto Conference is connected with

- A. Limiting production of CO₂
- B. Developing alternatives to ODS
- C. Both A and B
- D. Reduction in use of energy

Ans. C

Solution:

Koyoto conference was held on Global warming.

6. First National Park of India was

- A. Panna National Park
- B. Jim Corbett National Park
- C. Kaziranga National Park
- D. Satpura National Park

Ans. B

7. Botanical name of Groundnut (Pea Nut) is

- A. *Arachis hypogea*
- B. *Glycine max*
- C. *Medicago falcata*
- D. *Pisurn sativum*

Ans. A

8. Which one of the following pairs of geographical areas shown maximum biodiversity in our country?

- A. Sunderbans and Rann of Kutch
- B. Eastern Ghats and West Bengal
- C. Eastern Himalayas and Western Ghats
- D. Kerala and Punjab

Ans. C

9. Western Ghats have come under "HotSpot" category because of

- A. High elevation
- B. Tropical climate
- C. Evergreen forest
- D. High endemism

Ans. D

10. Montreal Protocol refers to

- A. Persistent organic pollutants
- B. Global warming and climatic change
- C. Substances that deplete the ozone layer
- D. Biosafety of genetically modified organisms

Ans. C

Solution:

The Montreal Protocol on Substances That Deplete the Ozone Layer is a landmark international agreement designed to protect the stratospheric ozone layer. The treaty was originally signed in 1987 and substantially amended in 1990 and 1992.

11. Palm oil is obtained from

- A. Elaeis
- B. Olea
- C. Phoenix
- D. Cocos

Ans. A

Solution:



12. Banana belongs to family

- A. Musaceae
- B. Malvaceae
- C. Liliaceae
- D. Euphorbiaceae

Ans. A

13. Greenhouse effect is related to increased growth of

- A. green algae
- B. Global warming
- C. Cultivation of vegetables in houses
- D. Development of terrace gardens

Ans. B

14. Biodiversity is determined by

- A. Number of individuals in an area
- B. Species richness
- C. Evenness
- D. Both B and C

Ans. D

15. Cereal crop of temperate areas is

- A. Rice
- B. Wheat
- C. Maize
- D. Jowar

Ans. B

16. Soil conservation by mulching involves

- A. Protection of soil by straw and stubbles
- B. Growing cereals and pulses in alternate rows
- C. Growing crops in rows
- D. Retiring lands to grasses

Ans. A

17. In India, we find mangoes with different flavours colours, fibre content, sugar content even shelf life. The large variation is on account of

- A. Species diversity
- B. Induced mutations
- C. Genetic diversity
- D. Hybridisation

Ans. C

18. Level of atmospheric CO₂ has increased from

- A. 280 ppm to 360 ppm
- B. 250 ppm to 300 ppm
- C. 300 ppm to 340 ppm
- D. 330 ppm to 350 ppm

Ans. A

19. An important institute in Mysore is

- A. Rice Research Institute
- B. Forest Research Institute
- C. Central Food Technology Research Institute
- D. National Botanical Research Institute

Ans. C

Solution:

CFTRI-Mysore

20. Rauvolfia serpentina belongs to family

- A. Chenopodiaceae
- B. Malvaceae
- C. Solanaceae
- D. Apocyanaceae

Ans. D