

**Class: 12**  
**Subject: Biology**  
**Topic: Environmental Issues**  
**No. of Questions: 20**  
**Duration: 60 Min**  
**Maximum Marks: 60**

1. Sunflower is mainly cultivated for

- A. Protein
- B. Starch
- C. Oil
- D. Alkaloid

Ans. C

2. Mark the national tree

- A. Ficus religiosa
- B. Mangifera indica
- C. Ficus bengalensis
- D. Azadirachta indica

Ans. C

Solution: Banyan is the national tree of India.

3. Ozone present in stratosphere filters out

- A. UV-A
- B. UV-B
- C. UV - C
- D. All the above

Ans. B

Solution: UV-B is the most harmful ray coming from space reaching the earth.

4. Checking of reradiating heat by atmospheric dust, O<sub>3</sub>, CO<sub>2</sub> and water vapours is

- A. Ozone layer effect
- B. Radioactive effect
- C. Greenhouse effect
- D. Solar effect

Ans. C

5. What is the correct percentage of greenhouse gases

- A. N<sub>2</sub>O - 6%, CO<sub>2</sub> - 86%
- B. Methane - 20%, N<sub>2</sub>O - 18%
- C. CFCs 14%, Methane - 20%
- D. CO<sub>2</sub> -40%, CFCs-30%

Ans. C

6. A species is categorised as endemic because it is

- A. Exotic and established
- B. Kept in captivity for breeding
- C. Exclusively found in a zone
- D. Extinct due to calamity

Ans. C

Solution: Endemic Species: Prevalent in or peculiar to a particular locality, region, or people

7. The three topmost major crops of the world in the order of total production are

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

Ans. C

8. Chipko movement is related to

- A. Plant breeding
- B. Plant conservation
- C. Animal breeding
- D. Project tiger

Ans. B

9. World environment day is

- A. 28th Feb
- B. 5th June
- C. 7th Aug
- D. 10th April

Ans. B

10. Biosphere reserves differ from national parks and wildlife sanctuaries because in the former
- Human beings are not allowed to enter
  - People are an integral part of the system
  - Plants are paid great attention than animals
  - Living organism are brought from all over the world and preserved for Posterity

Ans. B

11. 'Red Data Book' provides data on
- Biota of Red Sea
  - Effect of red light or photosynthesis
  - Red pigmented plants
  - Threatened species

Ans. D

12. Botanical name of Soyabean is
- Phaseolus mungo
  - Glycine max
  - Pisum sativum
  - Cajanus cajan

Ans. B

13. Endemic species of amphibians in India is
- 33%
  - 53%
  - 60%
  - 36%

Ans. C

14. The remains of crops which are allowed to decay and decompose in the farmland is called
- Strip cropping
  - Contour farming
  - Mulching
  - Terracing

Ans. C

Solution: Mulch is a protective cover placed over the soil to retain moisture, reduce erosion, provide nutrients, and suppress weed growth and seed germination. Mulching in gardens and landscaping mimics the leaf cover that is found on forest floors.

15. Which of the following has only recently become extinct in India

- A. Nilgai
- B. Cheetah
- C. Golden Langur
- D. Hyena

Ans. B

16. World summit on sustainable development (2002) was held in

- A. Brazil
- B. South Africa
- C. Argentina
- D. Sweden

Ans. B

17. Bengal Gram has botanical name of

- A. Phaseolus radiatus
- B. Cicer arietinum
- C. Glycine max
- D. Phaseolus vulgaris

Ans. B

18. Freon is

- A. Ferrous sulphide pollutant
- B. Chlorofluorocarbon
- C. Iron containing polycyclic hydrocarbons
- D. Metal fluoride

Ans. B

Solution: Freon is the registered trademark for several different chlorofluorocarbons or CFCs - trademarked by Dupont.

19. According to IUCN, Red List, what is the status of Red Panda (*Ailurus fulgens*)?

- A. Critically endangered species
- B. Vulnerable species
- C. Extinct species
- D. Endangered species

Ans. D

Solution: *Helianthus annuus* is the sunflower plant.

20. At which latitude, heat gained through insolation approximately equal heat loss through terrestrial radiation?

- A.  $22\frac{1}{2}^{\circ}$  North and South
- B.  $40^{\circ}$  North and South
- C.  $42\frac{1}{2}^{\circ}$  North and South
- D.  $60^{\circ}$  North and South

Ans. B

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