



Department of Electronics and Communication Engineering

GE8291 - Environmental Science and Engineering

Unit IV - MCQ Bank

1. Sustainable development means
 - a) Optimal use of resources
 - b) Continuous extraction, production and throwing away
 - c) Conserving resources without exploitation
 - d) Optimal exploitation and conservation of resources for future use**

Answer: (d)

2. The number of organisms sustained by any system on a long term basis is known as its _____
 - a) Carrying capacity**
 - b) Biotic potential
 - c) Survivorship
 - d) Community

Answer: (a)

3. The expansion of human populations away from central urban into low density areas are called
 - a) Urban sprawl**
 - b) Replacement level
 - c) Mortality rate
 - d) Doubling time

Answer: (a)

4. The 3R approach of resource use meant for
 - a) Growing of tress
 - b) Reduce, Reuse and Recycle**
 - c) Construction of dams
 - d) Industrial development

Answer: (b)

5. Making rubber rings from the discarded cycle tubes is an example for
 - a) Reduce
 - b) Reuse**
 - c) Recycling
 - d) Recovery

Answer: (b)

6. Incineration is the disposal method of

- a) Water pollutants
- b) Solid waste**
- c) Thermal pollutants
- d) Air pollutants

Answer: (b)

7. Anaerobic decomposition of garbage leads to production of

- a) Methane**
- b) Carbon dioxide
- c) Sulphur dioxide
- d) Nitrogen dioxide

Answer: (a)

8. Adverse effect of acid rain in lake and soil may be controlled by adding

- a) Gypsum
- b) Lime**
- c) Sodium chloride
- d) Urea

Answer: (b)

9. The Taj Mahal at Agra is affected by

- a) Stone disease
- b) Stone cancer
- c) Stone tumor
- d) Marble cancer**

Answer: (d)

10. Which one is not a greenhouse gas

- a) Carbon dioxide
- b) Methane
- c) CFC
- d) Sulphur dioxide**

Answer: (d)

11. Depletion in the ozone layer is caused by

- a) Nitrogen oxide
- b) Carbon dioxide
- c) Chlorofluorocarbons**
- d) Methane

Answer: (c)

12. Ozone layer acts as natural sunscreen which protects life on this earth against _____ rays

- a) UV rays**

- b) IR rays
- c) Microwave
- d) Gamma rays

Answer: (a)

13. Melanin producing cells of the epidermis in human will be destroyed when exposed by

- a) **UV rays**
- b) IR rays
- c) Microwave
- d) Gamma rays

Answer: (a)

14. Which gas is responsible for ozone layer depletion around earth?

- a. Carbon dioxide
- b. Chlorofluorocarbons**
- c. Oxygen
- d. Nitrogen oxide

Answer: (b)

15. Which gas is responsible for the global warming?

- a. Nitrogen
- b. Carbon dioxide**
- c. Noble gases
- d. Hydrogen

Answer: (b)

16. Which of the following statements regarding the greenhouse effect has the lowest degree of certainty?

- a. Addition of greenhouse gases to the atmosphere results in increased heat energy in the atmosphere
- b. Global warming will result in an increase in the number of tropical storms**
- c. Global warming will result in rising sea levels
- d. The concentrations of greenhouse gases in the atmosphere are increasing due to human activities.

Answer: (b)

17. Which of the following is not a greenhouse gas?

- a. Methane
- b. Ozone
- c. Water vapor**
- d. Carbon dioxide

Answer: (c)

18. The two major impacts expected as a result of rising global temperatures are

- a. Higher water levels in lakes and streams but more consistent flooding patterns
- b. Regional climatic changes and a rise in sea level**
- c. Longer summers and drier winters
- d. Low water levels in lakes and streams and larger floodplains.

Answer: (b)

19. How are humans making greenhouse gases of our own?

- a. Burning fossil fuels**
- b. Burning forests
- c. With large scale agriculture
- d. All of these

Answer: (a)

20. The solar radiation that bounces off the earth back towards the atmosphere is mostly

- a. Gamma radiation
- b. X-ray radiation
- c. Ultraviolet radiation
- d. Infrared radiation**

Answer: (d)

21. Things you can do to decrease global warming include

- a. Reduce the usage of your air conditioner on high
- b. Turn off your light when you are not using them.
- c. Use public transports instead of personal vehicles for transportation.
- d. All of the above**

Answer: (d)

22. Excess atmospheric carbon dioxide increases greenhouse effect as carbon dioxide

- a. Precipitates dust in the atmosphere
- b. Is opaque to infrared rays**
- c. Reduces atmospheric pressure
- d. Is heavier than other gases

Answer: (b)

23. Which of the following is not a potential adverse effect of global warming?

- a. More extreme weather patterns
- b. Retreat of glaciers
- c. Sea level rise
- d. An increase of UV-B radiation

Answer: (d)

24. Which of the following processes adds to the removal of carbon dioxide from the atmosphere?

- a. Burning fossil fuels
- b. Photosynthesis**
- c. Respiration
- d. Deforestation

Answer: (b)

25. In the breakdown of the ozone layer, the ozone (O₃) directly reacts with

- a. Ultraviolet light
- b. Chlorine atoms**
- c. Oxygen atoms
- d. CFC molecules

Answer: (b)