



**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 (O<sub>3</sub>) directly reacts with

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

**Answer: (b)**