

[illegible]

**(Autonomous Institute, Affiliated to VTU, Belgaum)**

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## PART - A

1. The study of interaction between living organisms and environment is called **1x4=40**
  - a) Environmental science
  - b) Atmosphere
  - c) Ecology
  - d) Ecosystem
2. The maximum population size that an ecosystem support under particular environmental conditions is known as.....
3. The basic requirements of the human beings are provided by –
  - a) Industries
  - b) Agriculture
  - c) Nature
  - d) Horticulture
4. Green revolution is a –
  - a) Crop variety improvement
  - b) Increased uses of fertilizers
  - c) Expansion of irrigation
  - d) All of the above
5. The major atmospheric gas layer in stratosphere is –
  - a) Hydrogen
  - b) CO<sub>2</sub>
  - c) Ozone
  - d) Helium
6. Effect of acid rain is –
  - a) Reduces soil fertility
  - b) Increases atmospheric temperature
  - c) Causing respiratory problems
  - d) Skin cancer
7. Mining practices lead to –
  - a) Population growth
  - b) Rapid urbanization
  - c) Loss of grazing and fertile land
  - d) None of these

8. Excess fluoride in drinking water is likely to cause –  
a) Blue baby Syndrome                      c) Taste and odor  
b) Fluorosis                                      d) Intestinal irritation
9. The ideal forest cover in relation to total land area is –  
a) 55%    c) 80%  
b) 33%    d) 19%
10. ISO14000 standards deal with –  
a) Environmental Management              c) Forest Management  
b) Water Management                        d) None of the above
11. Which of the following is the problem not associated with population growth –  
a) Increase resource consumption      c) Food and energy shortages  
b) Environmental pollution                d) None of these
12. The largest reservoir of nitrogen in our planet is –  
a) Oceans    c) Biosphere  
b) Atmosphere                                  d) Fossil fuels
13. Mina Mata episode of Japan is due to the poisoning of –  
a) Lead    c) Mercury  
b) Nickel    d) Cadmium
14. April 22<sup>nd</sup> is observed as –  
a) Environmental day                          c) Earth day  
b) Biodiversity day                            d) World Ozone day
15. Greenhouse gas emission from burning fuel in automobiles is around-%  
a) 16    c) 20  
b) 10    d) 5
16. India is the world's largest producer of .....mineral
17. World Ozone day is being celebrated on September 16<sup>th</sup> of every year  
( True / False )
18. The progressive accumulation of some non-biodegradable chemicals through the food chain is known as .....

19. In an aquatic ecosystem phytoplankton is considered as consumer. (True / False)
20. Physical pollution of water is due to –  
a) Turbidity b) c) BOD  
b) Dissolved Oxygen d) None of the above
21. World summit on sustainable development was held in –  
a) Johannesburg in 2002 c) Kyoto in 1904  
b) Rio de Janeiro d) Stockholm in 2000
22. The permissible range of pH for drinking water as per the Indian Standards is -  
a) 6 to 9 c) 6 to 8.5  
b) 6.5 to 7.5 d) 6.5 to 8.5
23. An important NGO involved in Global environmental protection is –  
a) UNICEF c) WHO  
b) GREEN PEACE d) CPCB
24. Chernobyl nuclear disaster occurred in the year?  
a) 1984 c) 1986  
b) 1952 d) 1987
25. Major sources of Fluoride are –  
a) River water c) Ground water  
b) Toothpaste d) Food products
26. The main causes of ecological imbalance are –  
a) Deforestation c) Automobiles & transportation  
b) Industries & power plants d) All of the above
27. The most environmental friendly agriculture practices is .....
28. Which of the following is not a part of the hydrological cycle?  
a) Precipitation c) Transpiration  
b) Perspiration d) Infiltration

29. Global warming may bring about the following changes in the climate of the earth –
  - a) Increase in the rainfall
  - b) Drought
  - c) Desertification
  - d) All of the above
30. The protocol that reduces greenhouse gas emissions are –
  - a) Kyoto protocol
  - b) Montreal protocol
  - c) Cartagena protocol
  - d) Vienna protocol
31. The pH value of acid rain is –
  - a) less than 5.7
  - b) 8.5
  - c) 7.0
  - d) greater than 7.5
32. The committee which submitted its report to Govt. of India on Environmental education is .....
33. Air pollution from automobiles can be controlled by fitting –
  - a) Electrostatic precipitator
  - b) Catalytic converter
  - c) Wet scrubber
  - d) All of the above
34. Bhopal gas tragedy caused due to the leakage of –
  - a) Methyl Iso-cyanide (MIC)
  - b) Mustard gas
  - c) Sulphur dioxide
  - d) Methane
35. Population explosion will cause –
  - a) Biodiversity
  - b) More employment
  - c) Stress on ecosystem
  - d) None of these
36. The objective of environmental education is –
  - a) Raise consciousness about environmental conditions
  - b) To teach environmental appropriate behavior
  - c) Create an environmental ethic
  - d) All of the above
37. Which of the following country was the first in the world to start family planning?
  - a) India
  - b) America
  - c) China
  - d) None of these

38. The sequence of eating and being eaten in an ecosystem is called.....
39. Ozone layer thickness is measured in –  
 a) PPM c) PPB  
 b) c) Decibels d) Dobson units
40. India has been losing 1.3 million hectars of forest land every year. (True /False)

### **PART - B**

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|----|----|--|-----------|
| 1. | a. | Define an Environment? Explain the composition and structure of Lithosphere. | <b>08</b> |
|    | b. | Discuss the following –  |           |
|    |    | i) Modern Agriculture and its impact on Environment.                         | <b>06</b> |
|    |    | ii) Methodology of Environmental Impact Assessment.                          | <b>06</b> |
| 2. | a. | Define Ecology and Ecosystem? Explain the biotic and abiotic components.     | <b>08</b> |
|    | b. | Discuss the following  |           |
|    |    | i) Benefits and effects of dams on environment.                              | <b>06</b> |
|    |    | ii) Water borne and water induced diseases.                                  | <b>06</b> |
| 3. | a. | Explain the environmental impacts of Mining.                                 | <b>07</b> |
|    | b. | What do you mean by Deforestation? Discuss its causes.                       | <b>07</b> |
|    | c. | Discuss the effects of population growth on sustainable development.         | <b>06</b> |
| 4. | a. | Discuss various types of land pollution with its causes and solutions.       | <b>08</b> |
|    | b. | Explain acid rain and its impacts, how can we avoid ozone layer depletion.   | <b>06</b> |
|    | c. | Briefly describe the causes and effects of Global Warming.                   | <b>06</b> |

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