

BBA LLB  
SECOND SEMESTER  
ENVIRONMENTAL SCIENCE  
BBLB - 201  
[USE OMR FOR OBJECTIVE PART]

**SET  
A**

Duration: 3 hrs.

Full Marks: 70

Time: 30 min.

( Objective )

Marks: 20

*Choose the correct answer from the following:*

*1 × 20 = 20*

- Inverted Pyramid of biomass generally observe in ecosystem of,  
a. Forest  
b. Grassland  
c. Pond  
d. Desert
- Biochemical oxygen demand means  
a. Industrial pollution  
b. Air pollution  
c. Polluting capacity of effluent  
d. Dissolved O<sub>2</sub> needed by microbes to decompose organic waste
- Peroxyacetyl nitrate (PAN) is,  
a. Primary pollutant  
b. Secondary pollutant  
c. Not a pollutant  
d. None of the above
- Environment (Protection) Act came into force in the year,  
a. 1985  
b. 1986  
c. 1970  
d. 1990
- Warning about cyclonic disaster is convened through  
a. Newspaper  
b. Radio network  
c. Television  
d. All of the Above
- Which of the following statements define environmental chemistry?  
a. study of chemical reactions that occur in water, air, land, biological habitats, and human activities  
b. study of chemical reactions that occur in water, air, land, and biological habitats only  
c. study of chemical reactions that occur in water, air, and land only  
d. None of the above
- One Bird sanctuary of Assam  
a. Deepor beel  
b. Son beel  
c. Both a. & b  
d. None of the above
- Gross primary productivity and Net primary productivity can be related as  
a.  $NPP = GPP + R$   
b.  $GPP = NPP + R$   
c. None of the above  
d. Both a & b

9. What type of disaster is most prominent in India?
- Flood
  - Draught
  - Cyclone
  - Earthquake
10. Which of the following are the dissolved materials present in domestic sewage?
- Sand
  - Nutrients
  - Clay
  - Bacteria
11. Which of the following serves as an indicator of atmospheric pollution?
- Fern
  - Liverworts
  - Hornworts
  - Lichen
12. Full form of CNG
- Compressed Natural Gas
  - Compressed Normal Gas
  - Compound Natural Gas
  - Concentrated Natural Gas
13. What is Kyoto Protocol?
- It is an agreement among countries to take steps for reducing global warming
  - It is an agreement among countries to take steps for reducing acid rain
  - It is an agreement among countries to take steps for planting trees to control pollution
  - It is an agreement among countries to start using nuclear energy
14. "Narmada Bachao Andolan" is associated with the construction of
- Damodar Dam
  - Sardar Sarovar Dam
  - Koyna Dam
  - Gandhi Sagar Dam
15. Which of the following agents is responsible for the Taj Mahal yellow?
- Sulphur
  - Chlorine
  - Sulphur dioxide
  - Nitrogen dioxide
16. Combustion of fossil fuels leads to increase of ---in the atmosphere
- Methane
  - Carbon dioxide
  - Oxygen
  - Chlorofluorocarbon
17. National Mission for a green India aims at,
- To increase the forest cover
  - Increase forest based livelihood
  - Improve Ecosystem services including biodiversity, hydrological services etc.
  - All of the above.
18. Increased levels of air pollution results in \_\_\_\_\_.
- Soil erosion
  - Global warming
  - Respiratory problems
  - All of the above
19. The residence time of CFC in the atmosphere is estimated to be between,
- 40-150 years
  - 200-400 years
  - 200-250 years
  - 50 -100 years

20. Which of the following particles is called the particulate pollutants?
- a. Ozone
  - b. Radon
  - c. Fly Ash
  - d. Ethylene

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[ 3 ]

**(Descriptive)**

Time : 2 hrs. 30 min.

Marks : 50

*[ Answer question no.1 & any four (4) from the rest ]*

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|--|--------------|
| 1. Write the causes, effects and control measures of air pollution.  | 3+4+3<br>=10 |
| 2. What is ecosystem? Discuss structure and function ecosystem   | 2+4+4<br>=10 |
| 3. Highlight some of the burning environmental issues of contemporary times.   | 10           |
| 4. State and elaborate the Environmental Protection Act 1986.  | 10           |
| 5. What is solid waste? Discuss about different types of solid wastes. Write the composition of fly ash.                         | 2+6+2<br>=10 |
| 6. What biodiversity and biodiversity hotspot? Write on the genetic, species and ecosystem diversity.                            | 4+6=10       |
| 7. Write about duties and responsibilities of students in environmental protection, resource conservation and pollution control. | 10           |
| 8. Write note on ( <i>any two</i> )  | 5+5=10       |
| a. Sustainable Development   |              |
| b. Acid rain   |              |
| c. Radioactive pollution   |              |
| d. Environmental Impact Assessment (EIA)   |              |

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