

BA LLB  
SECOND SEMESTER  
ENVIRONMENTAL SCIENCE  
BLB - 201  
(USE OMR FOR OBJECTIVE PART)

**SET  
B**

Duration: 3 hrs.

Full Marks: 70

Time: 30 min.

**(Objective)**

Marks: 20

*Choose the correct answer from the following:*

*1 × 20 = 20*

- 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.
- Increased levels of air pollution results in \_\_\_\_\_.
  - Soil erosion
  - Global warming
  - Respiratory problems
  - All of the above
- 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
- Which of the following are the dissolved materials present in domestic sewage?
  - Sand
  - Nutrients
  - Clay
  - Bacteria
- Which of the following particles is called the particulate pollutants?
  - Ozone
  - Radon
  - Fly Ash
  - Ethylene
- Combustion of fossil fuels leads to increase of ---in the atmosphere
  - Methane
  - Carbon dioxide
  - Oxygen
  - Chlorofluorocarbon
- Which of the following agents is responsible for the Taj Mahal yellow?
  - Sulphur
  - Chlorine
  - Sulphur dioxide
  - Nitrogen dioxide
- "Narmada Bachao Andolan" is associated with the construction of
  - Damodar Dam
  - Sardar Sarovar Dam
  - Koyna Dam
  - Gandhi Sagar Dam

9. What is Kyoto Protocol?
  - a. It is an agreement among countries to take steps for reducing global warming
  - b. It is an agreement among countries to take steps for reducing acid rain
  - c. It is an agreement among countries to take steps for planting trees to control pollution
  - d. It is an agreement among countries to start using nuclear energy
10. Full form of CNG
 

|                           |                             |
|---------------------------|-----------------------------|
| a. Compressed Natural Gas | b. Compressed Normal Gas    |
| c. Compound Natural Gas   | d. Concentrated Natural Gas |
11. Which of the following serves as an indicator of atmospheric pollution?
 

|              |               |
|--------------|---------------|
| a. Fern      | b. Liverworts |
| c. Hornworts | d. Lichen     |
12. What type of disaster is most prominent in India?
 

|            |               |
|------------|---------------|
| a. Flood   | b. Draught    |
| c. Cyclone | d. Earthquake |
13. 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 |
14. Environment (Protection) Act came into force in the year,
 

|         |         |
|---------|---------|
| a. 1985 | b. 1986 |
| c. 1970 | d. 1990 |
15. Warning about cyclonic disaster is conveyed through
 

|               |                     |
|---------------|---------------------|
| a. Newspaper  | b. Radio network    |
| c. Television | d. All of the Above |
16. 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
17. Inverted Pyramid of biomass generally observe in ecosystem of,
 

|           |              |
|-----------|--------------|
| a. Forest | b. Grassland |
| c. Pond   | d. Desert    |
18. Peroxyacetyl nitrate (PAN) is,
 

|                      |                        |
|----------------------|------------------------|
| a. Primary pollutant | b. Secondary pollutant |
| c. Not a pollutant   | d. None of the above   |

19. One Bird sanctuary of Assam

- a. Deepor beel
- c. Both a. & b

- b. Son beel
- d. None of the above

20. Gross primary productivity and Net primary productivity can be related as

- a.  $NPP = GPP + R$
- c. None of the above

- b.  $GPP = NPP + R$
- d. Both a & b

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**(Descriptive)**

Time : 2 hrs. 30 min.

Marks : 50

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

- |                                                                                                                                  |              |
|----------------------------------------------------------------------------------------------------------------------------------|--------------|
| 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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