

**BACHELOR OF COMMERCE  
SECOND SEMESTER [REPEAT]  
ENVIRONMENTAL STUDIES  
BCM - 201**

**SET  
A**

**[USE OMR SHEET FOR OBJECTIVE PART]**

Duration: 3 hrs.

Full Marks: 70

Time: 30 mins.

**(Objective)**

Marks: 20

*Choose the correct answer from the following:*

*1 × 20 = 20*

1. In terms of food chain and food web, conditions for more stable ecosystem are:  
a. Short food chain, simple food web      b. Long food chain, simple food web  
c. Short food chain, complex food web      d. Long food chain, complex food web
2. Which ecological pyramid is/are always upright in nature?  
a. Pyramid of energy      b. Pyramid of biomass  
c. Pyramid of number      d. All of above
3. Thermal pollution is related to.....  
a. Air      b. Water  
c. Soil      d. Noise
4. Final stage in ecological succession is.....  
a. Death      b. Establishment  
c. Climax      d. All of above
5. The average surface temperature of the Earth is about.....°C.  
a. 15      b. 24  
c. 33      d. -18
6. Which act was enacted to safeguard environment by Government of India after Bhopal Gas tragedy?  
a. Water (Prevention and Control of Pollution) Act 1974      b. Air (Prevention and Control of Pollution) Act 1981  
c. Environment (Protection) Act 1986      d. All of above
7. Rain water is slightly acidic in nature. It is due to.....  
a. Acid rain      b. Carbon dioxide gas  
c. Carbon monoxide gas      d. Oxides of sulphur and nitrogen
8. The highest temperature is recorded.....  
a. at midday      b. in the afternoon  
c. in the late evening      d. whole day
9. Ozone depletion is caused due to increase of.....  
a. Water vapor      b. Carbon dioxide  
c. Chlorofluorocarbon      d. All of above

10. Human are.....in an ecosystem.
- |             |                 |
|-------------|-----------------|
| a. owner    | b. producer     |
| c. consumer | d. All of above |
11. What is the scope of environmental studies?
- |                            |                                   |
|----------------------------|-----------------------------------|
| a. Social awareness        | b. Understand real life situation |
| c. Sustainable development | d. All of above                   |
12. Due to.....nature, environmental studies are related to others disciplines.
- |                          |   |
|--------------------------|---|
| a. conservation specific | b. interdisciplinary                            |
| c. multidisciplinary     | d. both interdisciplinary and multidisciplinary |
13. What is the present human population in the world?
- |                |                |
|----------------|----------------|
| a. 7.9 billion | b. 796 billion |
| c. 600 crores  | d. 150 million |
14. How much percentage of geographical area of a country should be under forest?
- |       |       |
|-------|-------|
| a. 25 | b. 30 |
| c. 33 | d. 50 |
15. Narmada Bachao Andolan is associated with the construction of.....
- |                     |                       |
|---------------------|-----------------------|
| a. Damodar Dam      | b. Koyna Dam          |
| c. Gandhi Sagar Dam | d. Sardar Sarovar Dam |
16. Amount of carbon dioxide present in atmosphere is.....
- |           |          |
|-----------|----------|
| a. 0.4%   | b. 0.04% |
| c. 0.004% | d. 4%    |
17. The source of energy in an ecosystem is.....
- |                          |   |
|--------------------------|---|
| a. Sunlight              | b. Decomposition of plant body by —bacteria |
| c. Fermentation by sugar | d. None of the above                        |
18. Which of the following is not a greenhouse gas?
- |                    |                  |
|--------------------|------------------|
| a. Carbon monoxide | b. Water vapour  |
| c. Carbon dioxide  | d. None of above |
19. The part of earth and atmosphere where organisms live is called.....
- |              |                  |
|--------------|------------------|
| a. Biotic    | b. Lithosphere   |
| c. Biosphere | d. None of above |
20. One big tree with many birds and insects in a large open area:
- |   |  |
|---|--|
| a. can be an example of an ecosystem                  | b. can't be an ecosystem due to absence of other animals |
| c. can't be an ecosystem due to absence of many trees | d. Both (b) and (c) are correct                          |

**(Descriptive)**

Time : 2 Hr. 30 Mins.

Marks : 50

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

- |  |          |
|--|----------|
| 1. What do you mean by air pollution? Discuss causes and consequences of air pollution.  | 2+3+5=10 |
| 2. Write on genetic, species and ecosystem diversity. What is biodiversity hotspot?  | 8+2=10   |
| 3. What is an ecosystem? Discuss structure and functions of an ecosystem.  | 2+4+4=10 |
| 4. 'India is a mega diversity nation'. Justify the statement with reference to rich biodiversity of India.                       | 10       |
| 5. How solar energy could be harnessed? State the disadvantages associated with solar energy.                                    | 7+3=10   |
| 6. Write about duties and responsibilities of students in environmental protection, resource conservation and pollution control. | 10       |
| 7. What is a food chain? Categorize it with suitable instances.  | 4+6=10   |
| 8. Write short notes on (Any two)  | 5×2=10   |
| a) Acid rain   |          |
| b) Point source and non point source of pollution  |          |
| c) Renewable and non-renewable resources   |          |
| d) Sustainable development   |          |

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