

REV-01  
BPY/01/05

2024/06

**BA PSYCHOLOGY  
SECOND SEMESTER [REPEAT]  
ENVIRONMENTAL STUDIES  
BEV - 720**

**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*

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

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**(Descriptive)**

Time : 2 Hr. 30 Mins.

Marks : 30

[ 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 ( <i>Any two</i> )   | 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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