

**B.Sc. BIOTECHNOLOGY
SECOND SEMESTER (REPEAT)
ENVIRONMENTAL STUDIES
BBT-201**

Duration: 3 Hrs.

Marks: 70

{ Part : A (Objective) = 20 }
{ Part : B (Descriptive) = 50 }

[PART-B :Descriptive]

Duration: 2 Hrs. 40 Mins.

Marks: 50

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

1. What is water pollution? What are the causes and impacts of water pollution? (2+3+5=10)
2. What do you mean by structure and function of an ecosystem? What are the different types of ecosystems? (3+3+4=10)
3. Discuss the major biogeographical regions of India. (10)
4. What is biodiversity? What are different levels of biodiversity? What do you mean by value of biodiversity? (1+3+6=10)
5. What are different resources? Write about importance and threats of any one type of resource. (3+3+4=10)
6. What is solid waste? Discuss different methods involved in solid waste management. (2+8=10)
7. Write short notes on: (5+5=10)
(a) Global climate change
(b) Ozone layer depletion
8. What role can a student play in prevention of pollution? Elaborate. (10)

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[PART-A :Objective]

Choose the correct answer from the following:

1×20=20

1. Acid rain is due to:
a. SO₂
 b. CO₂
c. CO
d. All the above
2. Which is not greenhouse gas?
a. CH₄
 b. CO₂
c. N₂O
d. SO₂
3. Acid Rain Ph:
a. More than 7
 b. Less than 5.6
c. 0
d. 0--14
4. During photosynthesis trees produce:
a. Carbon dioxide
 b. Oxygen
c. Water vapour
d. All of above
5. Which of the following is responsible for desertification?
a. Deforestation
b. Overgrazing
 c. Mining
d. All of above

6. Estuaries have the following characteristics:
a. Fresh and salt water.
 b. Rich biodiversity and high productivity.
c. Both (a) and (b).
d. Low productivity.
7. In an ecosystem, flow of energy is:
a. Cyclic
b. Unidirectional
c. Multidirectional
d. Both (a) and (b)
8. Number of chromosomes present in man:
a. 26
b. 28
c. 46
d. 48
9. In AIDS, 'S' stands for:
a. Symptom
b. System
c. Syndrome
d. Syndome
10. Thickness of ozone is measured inunits.
a. meter
b. cm
c. dobson
d. ppm
11. Which one is a secondary pollutant?
a. Ozone
b. Carbon monoxide
c. HC
d. All of above
12. Choose the wrong statement:
a. Clean air contains 78% Nitrogen.
b. Carbon dioxide is a primary pollutant.
c. PAN is secondary pollutant.
d. CO reduces oxygen carrying capacity in blood.

13. Bhopal gas tragedy occurred due to leakage of:

- a. DDT b. MIC
c. Dioxin d. All of above

14. Oil in water affects fish by affecting:

- a. Gills b. Scales
c. Eyes d. None of above

15. Thermal pollution is related to:

- a. Air b. Global warming
c. Water d. None of above

16. Blue-baby syndrome occurs by the pollution of:

- a. CO b. Nitrate
c. Mercury d. All of above

17. Scientific methods for disposal of solid waste is:

- a. Open land disposal
b. Incineration
c. Land fill
d. All of above

18. Which of the following is the concentration of CO₂ in the atmosphere?

- a. 0.32% b. 0.028%
c. 0.38% d. 0.039%

19. Per capita use of water is highest in:

- a. USA
b. India
c. Bangladesh
d. Kuwait

20. Lower Subansiri Hydro-electric project is in:

- a. Assam
b. Meghalaya
c. Arunachal Pradesh
d. Gujarat

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UNIVERSITY OF SCIENCE & TECHNOLOGY, MEGHALAYA



Question Paper CUM Answer Sheet

[PART (A) : OBJECTIVE]

Serial no. of the main
Answer sheet

Course :

Semester : Roll No :

Enrollment No : Course code :

Course Title :

Session : 2016-17 Date :

Instructions / Guidelines

- > The paper contains twenty (20) / ten (10) questions.
- > The student shall write the answer in the box where it is provided.
- > The student shall not overwrite / erase any answer and no mark shall be given for such act.
- > Hand over the question paper cum answer sheet (Objective) within the allotted time (20 minutes / 10 minutes) to the invigilator.

Full Marks	Marks Obtained	Remarks
20		

Scrutinizer's Signature

Examiner's Signature

Invigilator's Signature