



MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

Paper Code : BCAA201 Environmental Science

UPID : 220006

CS/BCA(A)/EVEN/SEM-2/220006/2022-23/11/22

Time Allotted : 3 Hours

Full Marks : 70

The Figures in the margin indicate full marks.
Candidate are required to give their answers in their own words as far as practicable

Group-A (Very Short Answer Type Question)

1. Answer any ten of the following :

[1 x 10 = 10]

- (i) What is the main cause of permanent hardness of water?
- (ii) In which temperature soil develops slowly?
- (iii) Which pollution cause hearing loss in organisms?
- (iv) Name the most frequent as well as naturally happening disaster.
- (v) Which of the following organism contributes to the CO₂ pool by the processing of waste materials and dead organic matter?
- (vi) Which of the following agents is responsible for turning the Taj Mahal yellow?
- (vii) Which activity can tend to lower the water table?
- (viii) Which reservoir regulates the amount of carbon dioxide in the atmosphere?
- (ix) The major ingredient for photochemical smog is _____.
- (x) Which technique is used to determine the concentration of odour compounds in the given water sample?
- (xi) In which forest we can see deforestation to large extent?
- (xii) Which of the following agents is mainly responsible for the secondary pollutants?

Group-B (Short Answer Type Question)

Answer any three of the following :

[5 x 3 = 15]

2. What is land pollution? [5]
3. What do you mean by Aquatic Ecosystem? [5]
4. Write down the causes of Air pollution? [5]
5. What is food web? [5]
6. What is BOD? [5]

Group-C (Long Answer Type Question)

Answer any three of the following :

[15 x 3 = 45]

7. (a) Discuss water cycle? [10]
(b) Discuss the implications of Water cycle? [5]
8. (a) Discuss ammonification and denitrification process? [5]
(b) Discuss types of nitrogen fixation process? [10]
9. (a) What is Biodiversity? Discuss its type? [10]
(b) Discuss the importance of Bio diversity? [5]
10. (a) What is the punishment for noise pollution? [10]
(b) What are the impacts of noise pollution on wild life? [5]
11. (a) write down the water pollution effects? [5]
(b) write down the Prevention of water pollution? [10]

*** END OF PAPER ***