325204

May, 2023
B.Sc. (Life Science) II SEMESTER
Environmental Pollution and Human Health (AES-202B)

Time : 3 Hours]   [Max. Marks : 75

Instructions :

1. *It is compulsory to answer all the questions (1.5 marks each) of Part-A in short.*
2. *Answer any four questions from Part-B in detail.*
3. *Different sub-parts of a question are to be attempted adjacent to each other.*

PART-A

1. (a) What is radioactivity and its measuring units?   (1.5)

   (b) Which agency has given drinking water quality standards?   (1.5)

   (c) What is difference in marine pollution and water pollution?   (1.5)

   (d) What are the major sources of thermal pollution? (1.5)

   (e) Name of indoor air pollutants and its sources?   (1.5)

   (f) What is importance of bioaccumulation in biomagnification process?   (1.5)

   (g) Write about the problems which is associated with eutrophication.   (1.5)

(h) What is function of trickling filters in pollution control? (1.5)

(i) Write the name of four waterborne diseases (1.5)

(j) What is difference in STPs and ETPs? (1.5)

PART–B

2. (a) Discuss in details abouts
   (i) Biotransformation of pollutants.
   (ii) Organometallic Compound. (5×2 =10)

   (b) Which factor are play important role in solubility and transportation of pollutants. (5)

3. (a) Write short note on air pollution controlling devices for industries (5)

   (b) Discuss in details about the radioactive pollution and its sources, impact, and control measures. (10)

4. Discuss in detail about the Ganga Action Plan (GAP) in details. Write about the importance of individual and government initiative in GAP. (15)

5. (a) Explain in details about oils spills and it toxic effects. (5)

   (b) Discuss in details about
   (i) Eutrophication and Oligotrophic lakes.
   (ii) Marine pollutions. (5×2=10)

6. (a) Write short note on :
   (i) Bio-scrubbers.
   (ii) Water borne Diseases.
   (iii) Coastal Zone management. (3×3=9)

   (b) Discuss in details about implementation of CNG in NCT of Delhi. (6)

7. Explain in details about water pollution and its sources, water quality parameters, impacts, toxicity, and remediation technologies. (15)

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