**TU/CDOE**

**TEZPUR UNIVERSITY**

**SEMESTER END EXAMINATION (SPRING) 2021**

**DIPEVMD / DEM 202: ENVIRONMENTAL POLLUTION AND MITIGATION**

Time: **3 Hours** Total Marks**: 70**

*The figures in the right-hand margin indicate marks for the individual question.*

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1. State whether true or false: **1x6=6**
2. Volcanic eruption is an example of a natural source of air pollution.
3. The average temperature of the earth is increasing due to global warming.
4. Organic farming is a sustainable agricultural practice.
5. All greenhouse gases are not responsible for global warming.
6. Waste deposition in landfills generates methane.
7. Phytoremediation can also be used to control indoor air pollution.
8. Match the following: **1x4=4**
9. NO2 i. Natural sources of air pollution
10. Household biomass burning ii. Primary air pollutant
11. HNO3 iii. Secondary air pollutant
12. Wind-blown dust iv. Secondary sources of air pollution
13. Write the differences between: **3x9=9**
14. Point sources and non-point sources of water pollution
15. Natural sources and anthropogenic sources of pollution
16. Bioaccumulation and biomagnification
17. Give short answers to the following questions: **3x3=9**
18. What are pollutants and contaminants?
19. Why is rainwater slightly acidic in nature?
20. How does the wind affect the air pollutants concentration in an area?
21. What is acid rain? How does it affect aquatic life? **4+2=6**
22. What is the eutrophication of water bodies? What causes eutrophication in water bodies? **3+5=8**
23. What is phytoremediation? Discuss the different types of phytoremediation.

**2+6=8**

1. What do you mean by energy recovery from waste? Discuss at least two basic techniques of energy recovery from waste. **2+8=10**
2. Write a note on the control measures for (a) Noise pollution and (b) Soil pollution. **5+5=10**

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