**TU/CDOE**

**TEZPUR UNIVERSITY**

**SEMESTER END EXAMINATION(SPRING) 2021**

**DEM 202: ENVIRONMENTAL POLLUTION MITIGATION**

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

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

---------------------------------------------------------

1. State True or False: 1x5=5

1. Coal is a renewable resource.
2. All greenhouse gases are anthropogenic.
3. Fertilizers don’t have adverse impact on plant growth.
4. Polluted water rarely causes adverse health effects in humans.
5. Acid rain has a pH less than 5.6.

2. Write the full form of the following abbreviations: 1x5=5

1. CEC
2. PAHs
3. PCBs
4. GHGs
5. SPCB

3. Define the following: 2x5=10

1. Pollutants
2. Soil texture
3. Point source of air pollution
4. Bio methanation
5. Biological oxygen demand

4. Write short notes on the following: 5x4=20

1. Atmospheric particulates
2. Acid rain
3. Role of earthworm in soil fertility
4. Global warming

5. What is noise pollution? Discuss the impact of noise pollution on human

health. 1+4=5

**P.T.O.**

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6. What is phytoremediation? Describe three phytoremediation

mechanisms. 1+6=7

7. Briefly discuss the industry-induced and irrigation-induced soil

pollution and possible mitigation measures. 4+4=8

8. What is energy recovery from solid waste? What are the benefits

obtained through energy recovery? Give a summary of basic techniques

of energy recovery. 1+4+5=10

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