**TU/ CODL**

**TEZPUR UNIVERSITY**

**SEMESTER END EXAMINATION (AUTUMN) 2017**

**DEM202: ENVIRONMENTAL POLLUTION MITIGATION**

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

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

*All questions are compulsory*

1. State whether true or false: **1x5=5**
2. Sources of environmental pollution are anthropogenic.
3. Non-point sources of pollution are easily identifiable.
4. Fertilizers have always positive impact on plant growth.
5. Oil spill is an example of marine pollution.
6. Polluted water rarely causes adverse health effects in humans.
7. Fill in the blanks: **1x5=5**
8. Substance that can cause pollution is called ………

ii. e-wastes are the …………… waste.

iii. Decibel is the unit of ……….

iv. Gaseous exchange between the atmosphere and soil pore space is called ……………..

v. With increase in bulk density soil pore space ……………

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

i. CEC ii. PAHs iii. PCBs. iv. CO v. CPCB

1. Define the following (in one or two sentences) **1x5=5**
   1. Pollutants
   2. Soil texture
   3. Waste
   4. Biomethanation
   5. Biological oxygen demand
2. Write short notes on the following **(any four)** **4x4=16**
   1. Point and non-point source of pollution
   2. Role of individuals in pollution prevention
   3. Atmospheric particulates
   4. Acid rain
   5. Vermicomposting
   6. Types of waste
3. Differentiate between sound and noise. Describe the techniques used to control noise and its abatement measures.  **1+6=7**

**or**

What is noise pollution? Discuss the impacts of noise pollution on human health.

1. What is phytoremediation? Describe its mechanisms. **1+6=7**
2. What are marine resources? Name the different categories of marine resources. Describe the causes of the present scenario pressure on marine resources. **1+4+5=10**
3. What is energy recovery from solid waste? What are its benefits? Give a summary of basic techniques of energy recovery. **1+4+5=10**

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