

# Five Year Integrated M.Sc. Examination 2019

## Semester-VI

### Course: ENV-3-6-1

#### ( Environmental Science-II: Natural Hazards & Disaster Management, Water Pollution )

Time: Three Hours

Full Marks: 40

Questions are of value as indicated in the margin.

Answer **Question No.1** and **any four** questions from the rest.

1. Write short notes on **any four**: 4×2=8
    - a) Mudflow
    - b) Minamata disease
    - c) Subduction
    - d) Primary wave
    - e) DO
  2. What is response in the disaster management cycle? Mention in detail about the principles of disaster management. 2+6=8
  3. Illustrate the classification of earth movements in detail. Write down the preventive measures for landslide. 4+4=8
  4. Explain the different pyroclastic materials which erupt from the volcano? Why more than 75% world's active volcanoes occur in Ring of Fire? 4+4=8
  5. What do you mean by fluoride pollution? Mention various transport routes in the environment along with techniques available for fluoride removal from the groundwater? 2+6=8
  6. What are the indicators of water quality to characterize its nature? Describe the different water treatment stages in the water treatment plant. 3+5= 8
  7. What are the factors influencing metal toxicology? Explain the various environmental effects of chromium and its health impact. 3+5=8
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