

**M.Sc. (ENVIRONMENTAL SCIENCE)
(MSCENV)**

**Term-End Examination
December, 2022**

**MEV-015 : ENVIRONMENTAL POLLUTION,
CONTROL AND MANAGEMENT**

Time : 3 hours

Maximum Marks : 100

Note : Answer any **ten** of the following questions. Each question carries equal marks.

1. Differentiate between point and non-point sources of pollution, giving suitable examples. 10
2. Highlight the various air pollution monitoring procedures. 10
3. What is Water Quality Index ? What are its categories and how is it developed ? 10
4. What are azonal, intrazonal and zonal soils ? Explain their salient features. 10
5. Explain the devices used for measurement of radioactivity. 10

6. Define oil pollution. Mention any two oil spill cases which have occurred in the past. Describe them briefly. 2+8
7. How can the adverse effects of thermal pollution be minimised ? Discuss. 10
8. Explain the sources of noise in urban areas. Enumerate the occupational diseases caused due to excessive noise pollution. 6+4
9. Discuss technologies employed for biomedical waste management. 10
10. Suggest means to control noise pollution during transmission of sound. 10
11. Write short notes on the following : 5+5
- (a) Disposal of Radioactive Waste
 - (b) Control Measures Related to X-ray Radiation
12. Describe briefly the processes involved in the treatment of wastewater. 10
13. What are the sources of sulphur dioxide emissions in the atmosphere ? Explain control measures to reduce SO₂ emission. 5+5
14. Explain the pyrolysis and pulverization method of solid waste disposal. 5+5