

**POST GRADUATE DIPLOMA IN
ENVIRONMENTAL AND
OCCUPATIONAL HEALTH
(PGDEOH)**

**Term-End Examination
June, 2026**

**MEV-001 : INTRODUCTION TO
ENVIRONMENTAL HEALTH**

Time : 3 Hours

Maximum Marks : 100

Note : (i) Answer any **ten** questions.

(ii) Each question carries 10 mark.

1. Describe the different layers of the earth's atmosphere. Explain functions of each layer.
2. What are the different types of food chains and food webs of ecosystem ? Explain with suitable examples.

3. What are ecological pyramids ? Explain their significance.
4. Describe the process of energy flow in an ecosystem. Explain the implications of first and second laws of thermodynamics.
5. Describe the concept of ecological balance. Explain its significance and feedback mechanisms.
6. What is the role of hydroxyl, nitrate and peroxy radicals in atmospheric chemistry ? Explain.
7. Explain the role of greenhouse gases in global warming. What are the implications for climate change ?
8. Describe the formation of industrial smog with chemical reactions. How does industrial smog differ from photochemical smog ?
9. What are the health effects associated with SO_x, NO_x and ozone ? Explain in detail.

10. Describe the biological effects of nuclear radiation. What is the difference between genetic and non-genetic damage caused by ionizing radiation ?
11. What is E-Waste ? What are the effects of e-waste pollution on the environment ?
12. Describe the various techniques used for the estimation of heavy metals in environmental samples.

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