

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

**Term-End Examination**

**February, 2021**

**MEV-004 : ENVIRONMENTAL TOXICOLOGY**

*Time : 3 hours*

*Maximum Marks : 100*

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**Note :** Attempt any **6 (Six)** questions from Section A.

Attempt any **7 (Seven)** questions from Section B.

All questions in Section A carry 5 marks each.

All questions in Section B carry 10 marks each.

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**SECTION A**

*Answer in 100 words each.*

*6×5=30*

1. Define Eco-toxicology, Toxicosis and LD<sub>50</sub>.  
Explain the levels of toxic action. 5
2. Explain lungs as an exposure route for toxicants. 5
3. Describe reproductive toxicity with an example. 5

4. Explain skin detoxification. 5
5. Write short notes on biological carcinogens. 5
6. Describe the effects of environmental mutagens. 5
7. Define developmental toxicity. Explain the principles in teratology. 5
8. Write a short note on the biological effects of radiation. 5

## SECTION B

*Answer in 200 words each.*

*7×10=70*

- 9.** Describe the mode of action of toxic substances. *10*
  - 10.** Describe “Cosmetics” as environmental toxicants. How do they affect human health ? *10*
  - 11.** How do the kidneys remove toxins from our body ? Explain. *10*
  - 12.** Explain how the liver helps in the biotransformation of toxicants. *10*
  - 13.** What is “Cancer” ? What are the mechanisms of action in carcinogenesis ? *10*
  - 14.** Describe “in vitro” and “in vivo” toxicology testing. *10*
  - 15.** Describe some methods for soil remediation. *10*
  - 16.** Describe biodegradation of toxicants with suitable examples. *10*
  - 17.** Explain the various toxicants present in food and food products. *10*
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