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MME–012

**POST GRADUATE CERTIFICATE IN
MEDICAL MANAGEMENT OF CBRNE
DISASTERS (PGCMDM)**

Term-End Examination

December, 2023

**MME–012 : HEALTH EFFECTS AND MEDICAL
MANAGEMENT OF CBRNE AGENTS**

Time : 3 Hours

Maximum Marks : 70

Note : (i) *There are three Parts A, B and C.*

(ii) *All Parts are compulsory.*

(iii) *Answer questions in the sequence asked.*

Part—A

I. Answer any **one** of the following questions in

300–400 words :

12

1. What are the various health related effects on the human body related to radiation ?
2. Explain the basic radiation safety concepts for Healthcare workers.

P. T. O.

- II. Write notes on any *two* of the following in **70-100** words each : 2×6=12
1. Improvised nuclear device (IND).
 2. Acute Radiation Syndrome.
 3. Flash Blindness.

Part—B

- I. Answer any *one* of the following questions in **300-400** words : 12
1. What are the various chemical warfare agents ?
 2. What are the on-site detection methods for chemical agents ?
- II. Write notes on any *two* of the following in **70-100** words each : 2×6=12
1. Nerve agents : their action and treatment.
 2. Diagnosis of toxic pulmonary edema.
 3. Rescuer protection from chemical warfare agents.

Part—C

- I. Answer any *one* of the following questions in **300-400** words : 12
1. Describe and explain 'Plague, a bioterrorism event'.

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2. Discuss 'Toxin as a bioweapon' and classify toxins.

II. Write notes on any *two* of the following in **70-100** words each : 2×5=10

1. Impact of Agroterrorism
2. Cutaneous lesions (skin lesions) of smallpox.
3. Discuss surveillance.