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MME-011

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

Term-End Examination

December, 2021

MME-011 : BASICS OF CBRWE

Time : 3 Hours

Maximum Marks : 70

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

(ii) *All Parts are compulsory.*

Part—A

I. Answer any **one** question in **300-400** words :

1. (a) What is radiation monitoring ?
Enumerate common instruments for monitoring. 6
- (b) Describe the procedure for performing external contamination survey of the exposed personnel using GM detector. 6

P. T. O.

2. Describe the hospital care and follow up preparatory action in care of radiation disaster. 12

II. Write short notes in **70-100** words on any **two** of the following topics : 2×6

1. Pair Production
2. Chernobyl
3. National and International Scenario of CBRWE Warfare

Part—B

I. Answer any **one** question in **300-400** words :

1. Discuss the methods of environmental sampling in BW agents. 12
2. Explain principle of image in care of a BW attack. 12

II. Write short notes in **70-100** words each on any **two** of the following topics : 2×6

1. Role of labs in epidemiological investigation for BW agents.
2. Relevance of bioterrorism in India.

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3. Differentiate natural attack from biological attack.

Part—C

I. Answer any **one** question in **300-400** words :

1. Discuss the onsite detection of CW agents.
List the advantages and disadvantages of onsite detection. Discuss the classification of detection techniques. 6+3+3
2. Discuss the classification of B test injuries.
Describe its mechanism. 8+4

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

1. Chemical Weapon Convention
2. Functional level response mechanism
3. Tokyo Subway Sarin Attack