

G-3/318/21

Roll No.....

M.Sc. III Semester Examination, April-2021

DEFENCE STUDIES

Paper II

(Chemical in War)

Time : 3 Hours]

[Maximum Marks : 80

Note : *All questions are compulsory. Question Paper comprises of 3 sections. **Section A** is objective type/Multiple Choice questions with no internal choice. **Section B** is short answer type with internal choice. **Section C** is long answer type with internal choice.*

SECTION 'A'

(Objective Type Questions)

Choose the correct answer :

1 × 8 = 8

1. Which one of the following is a potential biological warfare agent ?
(a) Sulphur (b) Gun powder
(c) Anthrax (d) Chloropicrin
2. The Chemical Weapons Convention was signed in one of the following years :
(a) 1971 (b) 1981
(c) 1992 (d) 1998
3. Explosive Weapons is :
(a) T.N.T. (b) N.P.T.
(c) P.N.T. (d) None of the above
4. Stimulant Chemicals is :
(a) L.S.D. (b) P.P.T.
(c) P.M.T. (d) None of the above

P.T.O.

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5. The First Hague Conference

- (a) 1899 (b) 1889
(c) 1885 (d) 1884

6. Pyridine Aldoxime Methiodide is protected from :

- (a) Biological Warfare (b) Chemical Warfare
(c) Nurons (d) None of the above

7. Vietnam War

- (a) 1954-75 (b) 1958-81
(c) 1959-83 (d) 1960-79

8. $\text{H}_3\text{AsO}_4 + 2\text{CH}_3\text{COOH} \xrightarrow{\Delta} (\text{CH}_3)_2\text{HAsO}_4$ is :

- (a) Cacodylic acid (b) Blue chemical
(c) White chemicals (d) Cyanic acid

SECTION 'B'

6 × 4 = 24

(Short Answer Type Questions)

Note : Answer the following questions in 250 words.

1. Write short notes on the following :

- (a) Air explosive Bomb,
(b) Nepalm Bomb.

Or

Explain the comparison of chemical and explosive weapons.

2. Explain tactical advantage of chemical attack.

Or

Explain various types of chemical ammunition.

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3. Write a note on L.S.D.

Or

Compare the chemical and Biological Warfare.

4. Discuss the various methods of protection.

Or

Explain collective and tactical protection.

SECTION 'C'

12 × 4 = 48

(Long Answer Type Questions)

Note : Answer the following questions in 500 words.

1. Describe the Basic concept and definitions of chemical warfare.

Or

Explain the objects of chemical attack.

2. Discuss the effects of atmosphere on chemical attack.

Or

What are the mean of dispersion of chemical agents ?

3. Discuss the smoke agents in war.

Or

What do you understand by psycho chemicals ? Explain their kinds.

4. Discuss the classification of chemical agents.

Or

Write a note on the chemical weapons used in World War I and World War II.

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