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[For departmental use]

[Exercise No.04]

# *E-exercise Book*



## *Identification of Precursor Chemicals for IEDs*

**Note:**

In this **e-Exercise Book**, the reader can check his understanding and knowledge about *Identification of Precursor Chemicals for IEDs*. Though all efforts have been made to make this exercise book error free, but it is possible that some errors might have crept into it. If you notice any errors or if you have any suggestion to improve this exercise book, the same may be brought to our notice through email on the e-mail addresses: [rtinacenkanpur@yahoo.co.in](mailto:rtinacenkanpur@yahoo.co.in) or [goyalcp@hotmail.com](mailto:goyalcp@hotmail.com). This may not be a perfect **e-Exercise Book** and all are requested to assist us to make it better.

Sd/-

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**Take the following Quiz & Test your knowledge**

Identify the most appropriate choice by choosing the correct option out of five options given below.

**Q.No.1** Which one of the following precursor chemicals is not used as fertilizer?

- (a) Urea
- (b) Ammonium nitrate
- (c) Calcium Ammonium Nitrate
- (d) (a), (b) and (c) above.
- (e) None of the above

**Q.No.2** Which one of the following precursor chemicals for IEDs is used for purification and extraction of gold?

- (a) Nitric acid
- (b) Nitromethane
- (c) Hydrogen peroxide
- (d) Acetic anhydride
- (e) Acetone

**Q.No.3** Which one of the following liquid precursor chemicals is of pale Blue colour?

- (a) Nitric acid
- (b) Nitromethane
- (c) Hydrogen peroxide
- (d) Acetic anhydride
- (e) Acetone

**Q.No.4** Which one of the following precursor chemicals is used as racing car fuel?

- (a) Nitric acid
- (b) Nitromethane
- (c) Hydrogen peroxide
- (d) Acetic anhydride
- (e) Acetone

**Q.No.5** Which one of the following precursor chemicals is used as rocket propellant?

- (a) Nitromethane
- (b) Potassium perchlorate
- (c) Sodium chlorate
- (d) Potassium Nitrate
- (e) Calcium ammonium nitrate

**Q.No.6** Which one of the following chemicals is used in making Instant Cold Packs?

- (a) Ammonium nitrate
- (b) Potassium perchlorate
- (c) Sodium chlorate
- (d) Potassium chlorate
- (e) Sodium Nitrate.

**Q.No.7** Which one of the following chemicals is alternatively known as High Nitrogen?

- (a) Ammonium nitrate
- (b) Potassium perchlorate
- (c) Sodium chlorate
- (d) Potassium chlorate
- (e) Calcium ammonium nitrate

**Q.No.8** Which one of the following chemicals is also used for processing of Heroin, a narcotic drug?

- (a) Nitric acid
- (b) Nitromethane
- (c) Hydrogen peroxide
- (d) Acetic anhydride
- (e) Acetone

**Q.No.9** Which one of the following chemicals is used as nail polish remover?

- (a) Nitric acid
- (b) Nitromethane
- (c) Hydrogen peroxide
- (d) Acetic anhydride
- (e) Acetone

**Q.No.10** Which one of the following chemicals is used as desiccant (hygroscopic) and defoliant (making plant leaves to fall if sprayed) and is considered to be harmful to environment?

- (a) Ammonium Nitrate
- (b) Calcium Ammonium Nitrate
- (c) Sodium Chlorate
- (d) Potassium Chlorate
- (e) Potassium Nitrate

**Q.No.11** Which of the following precursor chemicals is not used for manufacture of fireworks?

- (a) Aluminum Powder
- (b) Potassium Perchlorate
- (c) Potassium Chlorate
- (d) Sodium Nitrate
- (e) Potassium Nitrate

**Q.No.12** Out of 14 precursor chemicals for IEDs, how many chemicals are liquid in form?

- (a) 10
- (b) **9**
- (c) 8
- (d) 6
- (e) 5

**Q.No.13** Out of 14 precursor chemicals for IEDs, how many chemicals are solid in form?

- (a) 10
- (b) **9**
- (c) 8
- (d) 6
- (e) 5

**Q.No.14** Which one of the following precursor chemicals is used as stump remover?

- (a) Sodium Nitrate
- (b) Potassium Nitrate
- (c) Sodium Chlorate
- (d) Potassium Chlorate
- (e) Potassium Perchlorate

**Q.No.15** Which one of the following chemicals is alternatively known as Potcrate?

- (a) Calcium Ammonium Nitrate
- (b) Ammonium Nitrate
- (c) Potassium Nitrate
- (d) Potassium Chlorate
- (e) Potassium Perchlorate

**Q.No.16** Which one or more of the following precursor chemicals is environmentally hazardous?

- (a) Potassium Chlorate
- (b) Sodium Chlorate
- (c) Potassium Perchlorate
- (d) Sodium Nitrate
- (e) Both (a) and (b) above

**Q.No.17** Which one or more of the following names is/are an alternative name of Urea?

- (a) Carbamide
- (b) Carbonyl Diamide
- (c) Carbonyl diamine
- (d) Diamino methanol
- (e) All the above

**Q.No.18** Which one of the following is not an alternative name of Acetone?

- (a) Dimethyl Formaldehyde
- (b) Dimethyl Ketone
- (c)  $\beta$ -ketopropane
- (d) 2-Propanone
- (e) Peroidin

**Q.No.19** Which one of the following Precursor Chemicals for IEDs does not fall in Class 5 (Oxidiser) of the Hazardous Goods?

- (a) Potassium Chlorate
- (b) Sodium Chlorate
- (c) Potassium Perchlorate
- (d) Hydrogen Peroxide
- (e) Nitromethane

**Q.No.20** Which one of the following precursor Chemicals for IEDs is not corrosive in nature?

- (a) Hydrogen Peroxide
- (b) Nitric Acid
- (c) Acetic Anhydride
- (d) Nitromethane
- (e) None of the above

**ANSWERS OF MULTI CHOICE QUESTIONS (MCQs)**

1.	(e)
2.	(a)
3.	(c)
4.	(b)
5.	(d)
6.	(a)
7.	(a)

8.	(d)
9.	(e)
10.	(c)
11.	(d)
12.	(e)
13.	(b)
14.	(b)

15.	(d)
16.	(e)
17.	(e)
18.	(e)
19.	(e)
20.	(d)

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