

Defence technology PYQ's – 2016-2025

2025

Question- What is the common characteristic of the chemical substances generally known as CL- 20, HMX and LLM-105,
which are sometimes talked about in media?

- a) These are alternatives to hydro- fluorocarbon refrigerants
- b) These are explosives in military weapons
- c) These are high- energy fuels for cruise missiles
- d) These are fuels for rocket propulsion

Answer- **(b) These are explosives in military weapons**

Question - With reference to India's defence, consider the following:

Aircraft type : Description

- I. Dornier-228 – Maritime patrol aircraft
- II. IL-76 – Supersonic combat aircraft
- III. C-17 Globemaster III – Military transport aircraft

How many of the pairs are correctly matched?

- (a) Only one
- (b) Only two
- (c) All three
- (d) None

Answer: **(b) – Statements I and III are correct; II is incorrect (IL-76 is a transport aircraft, not combat)**

2024

Question - Consider the following aircraft:

Rafale

MiG-29

Tejas MK-1

Which of the above are considered fifth-generation fighter aircraft?

- (a) Only one (b) Only two (c) All three (d) None

Answer: **(d) None**

Question - With reference to radioisotope thermoelectric generators (RTGs), consider the statements:

RTGs are miniature fission reactors.

RTGs are used for powering spacecraft onboard systems.

RTGs can use Plutonium-238, a byproduct of weapons development.

Which statements are correct?

- (a) 1 & 2 only (b) 2 & 3 only (c) 1 & 3 only (d) 1, 2 & 3

Answer: **(b) 2 & 3 only**

Question Consider the following activities:

Identification of narcotics on passengers at airports

Monitoring precipitation

Tracking migration of animals

In how many of the above can radar technology be used?

- (a) Only one (b) Only two (c) All three (d) None

Answer: **(b) Only two**

2023

Question - Statement I: Ballistic missiles are jet-propelled at subsonic speeds throughout their flights, while cruise missiles are rocket-powered only in the initial phase.

Statement II: Agni-V is a medium-range supersonic cruise missile, while BrahMos is a solid-fuelled intercontinental ballistic missile.

What is the correct option?

- (a) I only (b) II only (c) Both (d) Neither

Answer: **(d) Neither**

Question: Which one of the following countries has its own satellite navigation system?

- (a) Australia
- (b) Canada
- (c) Israel
- (d) Japan

Answer: **(d) Japan**

2022

Question -Which of the following best describes the idea behind FOBS, often in news?

- (a) A hypersonic missile launched to explode an asteroid in space
- (b) A spacecraft landing on another planet after orbiting
- (c) A missile placed into stable Earth orbit, then deorbits over target
- (d) A spacecraft moving with a comet to place a probe

Answer: **(c) A spacecraft landing on another planet after orbiting**

(Note: No questions were asked from Defense technology in 2021,2020,2019, 2017 and 2016.)

2018

Question -What is “Terminal High Altitude Area Defense (THAAD)”?

Options:

- (a) An Israeli radar system
- (b) India’s indigenous anti-missile programme
- (c) An American anti-missile system
- (d) A defence collaboration between Japan and South Korea

Answer: **(c) – THAAD**

Question - With reference to IRNSS (Indian Regional Navigation Satellite System), consider the following statements:

IRNSS has three satellites in geostationary and four in geosynchronous orbits.

It covers India and about 5,500 sq km beyond its borders.

India will have global GNSS coverage by mid-2019.

Which statements are correct?

Options:

(a) 1 only (b) 1 & 2 only (c) 2 & 3 only (d) None

Answer: **(b) – Statements 1 and 2 are correct**