

Space Technology – UPSC MCQs

1. Which of the following is India's first satellite?

- a) Bhaskara-I
- b) INSAT-1A
- c) Aryabhata
- d) Rohini

Answer: c) Aryabhata

2. The Polar Satellite Launch Vehicle (PSLV) is used for launching satellites into which type of orbit?

- a) Geostationary Orbit
- b) Low Earth Orbit
- c) Polar Orbit
- d) Sun-Synchronous Orbit

Answer: d) Sun-Synchronous Orbit

3. Which Indian mission was the first to reach Mars?

- a) Chandrayaan-1
- b) Mars Orbiter Mission (Mangalyaan)
- c) Gaganyaan
- d) Astrosat

Answer: b) Mars Orbiter Mission (Mangalyaan)

4. What is the primary objective of the Chandrayaan-2 mission?

- a) To land a rover on the Martian surface
- b) To explore the Moon's south pole
- c) To study the Sun's corona
- d) To establish a space station

Answer: b) To explore the Moon's south pole

5. Which of the following satellites is dedicated to Indian regional navigation?

- a) INSAT-3D
- b) GSAT-11
- c) IRNSS/NavIC
- d) Cartosat-2

Answer: c) IRNSS/NavIC

6. Which of the following launch vehicles is primarily used by ISRO for launching heavier payloads into geostationary orbit?

- a) PSLV
- b) GSLV Mk II
- c) GSLV Mk III
- d) ASLV

Answer: c) GSLV Mk III

7. What does the term “Gaganyaan” refer to in India’s space program?

- a) A satellite communication system
- b) A human spaceflight mission
- c) A lunar exploration mission
- d) An Earth observation satellite

Answer: b) A human spaceflight mission

8. Which space observatory, launched by ISRO, is dedicated to multi-wavelength astronomy?

- a) Cartosat-3
- b) Chandrayaan-1
- c) Astrosat
- d) GSAT-6A

Answer: c) Astrosat

9. Which of the following is the name of India’s upcoming mission to explore Venus?

- a) Aditya-L1
- b) Mangalyaan-2
- c) Shukrayaan-1
- d) Chandrayaan-3

Answer: c) Shukrayaan-1

10. Which of the following satellites is primarily used for Earth observation?

- a) GSAT-7
- b) RISAT-2B
- c) INSAT-3A
- d) NavIC

Answer: b) RISAT-2B

11. Which ISRO mission discovered water molecules on the Moon?

- a) Chandrayaan-1
- b) Chandrayaan-2
- c) Mangalyaan
- d) Aditya-L1

Answer: a) Chandrayaan-1

12. The Indian Regional Navigation Satellite System (IRNSS) is also known as:

- a) NavIC
- b) GLONASS
- c) Galileo
- d) Beidou

Answer: a) NavIC

13. Which ISRO program focuses on the development of reusable launch vehicles?

- a) Gaganyaan
- b) RLV-TD

- c) Chandrayaan
- d) Mangalyaan

Answer: b) RLV-TD

14. Which of the following is the primary aim of the Aditya-L1 mission?

- a) Mars exploration
- b) Lunar exploration
- c) Solar observation
- d) Deep space exploration

Answer: c) Solar observation

15. Which of the following countries collaborated with India on the Chandrayaan-1 mission?

- a) Russia
- b) USA
- c) France
- d) Japan

Answer: b) USA