

Top 20 Science and Technology MCQs for Maharashtra, SSC and Railway 24 April 2024

1. In which city was Asia's first dedicated command and control centre for space domain awareness inaugurated?
A) Mumbai
B) Delhi
C) Bengaluru
D) Hyderabad
Answer: C) Bengaluru
2. What type of facility was inaugurated in Bengaluru, making it the first of its kind in Asia?
A) Hospital
B) School
C) Command and control centre for space domain awareness
D) Research laboratory
Answer: C) Command and control centre for space domain awareness
3. Which company's global headquarters houses the newly opened command and control centre for space domain awareness in Bengaluru?
A) SpaceX
B) NASA
C) Digantara
D) ISRO
Answer: C) Digantara
4. What is the specialization of Digantara, the company that inaugurated the command and control centre in Bengaluru?
A) Health awareness
B) Space situational awareness (SSA)
C) Agricultural technology
D) Financial services
Answer: B) Space situational awareness (SSA)
5. At which meeting did ISRO Chairman S. Somanath announce India's commitment to achieving debris-free space missions by 2030?
A) 40th IADC meeting
B) 42nd IADC meeting
C) 44th IADC meeting
D) 46th IADC meeting
Answer: B) 42nd IADC meeting
6. What is India's target year to achieve debris-free space missions, as announced by ISRO Chairman S. Somanath?
A) 2025
B) 2030
C) 2040
D) 2050
Answer: B) 2030
7. Who made the announcement regarding India's commitment to debris-free space missions at the 42nd IADC meeting?

- A) Prime Minister Narendra Modi
- B) ISRO Chairman S. Somanath
- C) DRDO Chief G. Satheesh Reddy
- D) Indian Space Minister Jitendra Singh

Answer: B) ISRO Chairman S. Somanath

8. Which country recently received the first batch of BrahMos supersonic cruise missiles from India?
- A) Vietnam
 - B) Philippines
 - C) Indonesia
 - D) Malaysia

Answer: B) Philippines

9. What is significant about the delivery of BrahMos missiles to the Philippines?
- A) It marks the first export of BrahMos missiles to any country.
 - B) It signifies India's defense cooperation with Malaysia.
 - C) It represents the first-ever defense deal between India and Vietnam.
 - D) It indicates India's military alliance with Indonesia.

Answer: A) It marks the first export of BrahMos missiles to any country.

10. How much was the deal worth between India and the Philippines for the BrahMos missiles?
- A) \$200 million
 - B) \$300 million
 - C) \$375 million
 - D) \$500 million

Answer: C) \$375 million

11. When was the deal for the BrahMos missiles between India and the Philippines signed?
- A) January 2020
 - B) January 2021
 - C) January 2022
 - D) January 2023

Answer: C) January 2022

12. What kind of missiles are BrahMos supersonic cruise missiles?
- A) Ballistic missiles
 - B) Anti-aircraft missiles
 - C) Cruise missiles
 - D) Intercontinental ballistic missiles

Answer: C) Cruise missiles

13. Where was the Indigenous Technology Cruise Missile (ITCM) test-fired by DRDO?
- A) Bengaluru
 - B) Hyderabad
 - C) Chandipur, Odisha
 - D) New Delhi

Answer: C) Chandipur, Odisha

14. What key features of the Indigenous Technology Cruise Missile (ITCM) were demonstrated during the test?
- A) High-altitude flight and long-range accuracy
 - B) Precise navigation, low-altitude sea-skimming flight, and reliability of propulsion
 - C) Surface-to-air capability and anti-ship targeting
 - D) Submarine-launched deployment and stealth capability

Answer: B) Precise navigation, low-altitude sea-skimming flight, and reliability of propulsion

15. Who conducted the successful test flight of the Indigenous Technology Cruise Missile (ITCM)?

- A) Indian Navy
- B) Indian Army
- C) Indian Air Force
- D) Defence Research and Development Organisation (DRDO)

Answer: D) Defence Research and Development Organisation (DRDO)

16. Which location in Odisha served as the testing site for the Indigenous Technology Cruise Missile (ITCM)?

- A) Bhubaneswar
- B) Cuttack
- C) Chandipur
- D) Puri

Answer: C) Chandipur

17. Which entity closely monitored the performance of the Indigenous Technology Cruise Missile (ITCM) during the test?

- A) Indian Navy
- B) Various sensors
- C) Indian Space Research Organisation (ISRO)
- D) Foreign military observers

Answer: B) Various sensors

18. Who shared plans for the next moon mission, Chandrayaan-4, in 2040?

- A) Narendra Modi
- B) S Somanath
- C) Rakesh Sharma
- D) K Sivan

Answer: B) S Somanath

19. Which organization is spearheading India's lunar exploration efforts?

- A) NASA
- B) ISRO
- C) ESA
- D) CNSA

Answer: B) ISRO

20. What is the primary objective of the upcoming phase of the Chandrayaan project?

- A) Exploring Mars
- B) Advancing lunar exploration efforts
- C) Studying asteroids
- D) Investigating exoplanets

Answer: B) Advancing lunar exploration efforts