

India's Tech Frontier: AI Dominance, Quantum Leap, and Space Race Milestones

Technology India · Practice Test · 10 Questions

1. As of early 2025, what significant milestone has India achieved in its 5G network deployment, according to the Ministry of Communications?

- A) Deployment in 50% of districts nationwide.
- B) Installation of over 486,000 5G base transceiver stations (BTSs) covering 99.6% of districts.
- C) Achieving 5G speeds comparable to global leaders in only major metropolitan areas.
- D) Launch of 5G services in a limited number of educational institutions for research purposes.

2. Which Indian startup, in collaboration with DRDO and TIFR, successfully built and tested an indigenous 6-qubit superconducting quantum processor in 2024?

- A) QpiAI
- B) Tata Consultancy Services (TCS)
- C) Tata Institute of Fundamental Research (TIFR)
- D) A consortium of academic groups

3. What was the primary focus of the IT Rules amendment proposed for February 2026 concerning AI?

- A) Establishing a national AI research fund.
- B) Regulating 'synthetically generated information' (SGI), including deepfakes.
- C) Mandating AI ethics training for all IT professionals.
- D) Setting standards for AI-driven autonomous vehicles.

4. In the context of India's deep tech startup ecosystem in early 2025, what percentage of all deeptech funding did artificial intelligence attract?

- A) Approximately 35%
- B) Approximately 50%
- C) Approximately 87%
- D) Approximately 12%

5. What is the projected GDP contribution of AI to India by 2025, as indicated by certain projections?

- A) \$50 billion
- B) \$100 billion
- C) \$500 billion
- D) \$250 billion

6. Which joint ISRO-NASA mission, launched on July 30, 2025, is designed to study land and ice deformation, land ecosystems, and oceanic regions using advanced radar technology?

- A) Aditya-L1
- B) Chandrayaan-4
- C) NISAR
- D) Gaganyaan

7. According to a report by Check Point Software Technologies in 2025, approximately how many cyberattacks per week was each organization in India facing on average?

- A) Over 500
- B) Over 1,000
- C) Over 2,000
- D) Over 5,000

8. As of January 2025, what was India's total non-fossil fuel-based energy capacity?

- A) 150 GW
- B) 217.62 GW
- C) 300 GW
- D) 500 GW

9. What is the primary focus of the proposed 'Digital India Act' in India, regarding its potential impact on AI regulation?

- A) To establish a dedicated Ministry for Artificial Intelligence.
- B) To replace the Information Technology Act, 2000, and regulate internet and digital technology broadly, including AI.
- C) To provide tax exemptions for AI research and development.
- D) To create a national AI talent pool through mandatory educational programs.

10. In April 2025, an Indian startup unveiled a 25-qubit quantum computer named 'Indus'. Which startup was it?

- A) QNu Labs Pvt. Ltd.
- B) QpiAI
- C) Tata Consultancy Services (TCS)
- D) Indian Institute of Science (IISc)