

BRICS Nations Forge Ahead: AI, Quantum Leap, Digital Currencies, and Space

BRICS Technology · Answer Key · 15 Questions

1. Which BRICS nation is leading in the development of quantum computing, having announced a \$10 billion quantum research facility in Hefei?

- A) India
- B) Brazil
- C) China**
- D) South Africa

2. As of mid-2025, which BRICS nations are highlighted as leaders in integrating digital currency practices into their legal frameworks?

- A) South Africa, Egypt, and Iran
- B) China, Brazil, India, and Russia**
- C) UAE, Saudi Arabia, and Indonesia
- D) Ethiopia, Nigeria, and Belarus

3. In 2025, what trend became increasingly evident regarding the use of neural networks by hackers, particularly impacting BRICS nations?

- A) A decrease in cyberattacks due to improved defenses
- B) The automation of infrastructure analysis, phishing, and vulnerability detection for scaling attacks**
- C) A shift towards less sophisticated, low-tech attacks
- D) A focus solely on individual users rather than large institutions

4. Which BRICS country is driving discussions on modernizing international financial transactions through blockchain technology as its 2025 chair?

- A) Russia
- B) India
- C) China
- D) Brazil**

5. The BRICS Media and Think Tank Forum, held in Rio de Janeiro in July 2025, unveiled an initiative focused on cooperation in which technological area?

- A) Renewable Energy
- B) Artificial Intelligence**
- C) Quantum Computing
- D) Space Exploration

6. Which BRICS nation announced the successful piloting of retail and cross-border settlements using its Digital Dirham in 2024?

- A) India
- B) China
- C) United Arab Emirates**
- D) Russia

7. What is the primary goal of the 'BRICS Pay' system, launched in October 2024, which utilizes blockchain technology?

- A) To exclusively facilitate transactions in US dollars
- B) To create a decentralized cross-border message system for local currency settlements, challenging SWIFT**
- C) To replace all national currencies with a single BRICS digital currency immediately
- D) To solely serve as a platform for cryptocurrency trading among member states

8. In quantum computing, which BRICS nation has presented the superconducting quantum computer Zuchongzhi 3.0 with 105 qubits as of 2025?

- A) Russia
- B) India
- C) South Africa
- D) China**

9. Which of the following is a key cybersecurity challenge cited in Ethiopia by 2024, impacting its digital transformation efforts?

- A) An overabundance of unified national cybersecurity standards
- B) Excessive technical capacity and resources
- C) The absence of unified national cybersecurity standards and insufficient technical capacity**
- D) Complete reliance on Western cybersecurity protocols

10. As of early 2025, what is the trend regarding new BRICS members' construction of energy capacity compared to wind and utility-scale solar?

- A) They are building ten times as much wind and solar capacity as fossil-fuel intensive capacity.
- B) They are building ten times as much fossil-fuel intensive capacity as wind and utility-scale solar.**
- C) They are building equal amounts of fossil-fuel and renewable energy capacity.
- D) They are exclusively focusing on building hydropower capacity.

11. The BRICS nations have acknowledged the need for international cooperation in AI and identified several priority areas. Which of these is NOT listed as a priority area for collaboration?

- A) Joint development of generative AI models
- B) Shared computing resources and databases
- C) Establishing a global framework for AI-driven artistic content creation**
- D) Human resource development and educational models

12. The BRICS Space Council was agreed upon at the XVII BRICS Summit in Brazil in 2025. What is a key objective of this council?

- A) To exclusively focus on commercial space tourism for member nations
- B) To reduce existing asymmetries in space capabilities among BRICS countries and promote cooperation**
- C) To establish a joint BRICS military space program
- D) To monopolize the global satellite launch market

13. What is a significant challenge for BRICS countries in developing a unified digital currency or payment system, as highlighted in discussions by 2026?

- A) Lack of interest from member nations
- B) Complete absence of blockchain technology expertise
- C) Lack of standardization among national digital systems and regulatory hurdles**
- D) Over-reliance on traditional paper currency

14. Which BRICS nation has made significant progress in AI for biotechnology, particularly in genomic research and predicting diseases through initiatives like the National Bio-Energy Mission?

- A) South Africa
- B) Russia
- C) Brazil
- D) India**

15. In the context of 'Influencer Diplomacy' among BRICS+, which country was an early adopter, initially utilizing a 'Wolf Warrior Diplomacy' approach?

- A) Russia
- B) India
- C) China**
- D) Brazil