

# UK Tech Frontiers: AI Safety, Quantum Leaps, and Space Dominance

Technology · Practice Test · 11 Questions

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**1. What significant financial investment did the UK government announce in April 2025 to bolster its quantum technology sector and transition research into market applications?**

- A) £50 million
- B) £100 million
- C) £160 million
- D) £250 million

**2. Which UK government agency is tasked with developing advanced AI safety research and informing international policymaking by providing technically grounded governance tools?**

- A) The National Cyber Security Centre (NCSC)
- B) The Alan Turing Institute
- C) The AI Safety Institute (AISi)
- D) The UK Research and Innovation (UKRI) council

**3. As of late 2024, what was the projected annual growth rate (CAGR) for the UK's space technology market between 2025 and 2030?**

- A) 7.2%
- B) 9.5%
- C) 10.7%
- D) 12.3%

**4. In November 2024, the UK government announced a package of funding aimed at helping climate-vulnerable countries develop new low-carbon technologies. How much was allocated to Innovate UK specifically to support clean energy innovation in developing countries?**

- A) £10 million
- B) £15 million
- C) £20 million
- D) £25 million

**5. What major development concerning the AI Safety Institute was reported in February 2025, signaling a shift in focus for the UK government's AI initiatives?**

- A) It was merged with the GCHQ
- B) It was rebranded as the AI Security Institute with a stronger focus on national security
- C) It was designated as the primary regulator for all AI in the UK
- D) It announced a partnership with the EU to align AI regulations

**6. Between June 2022 and December 2024, what was the total value of contracts secured by the UK for its space sector through European Space Agency (ESA) programmes?**

- A) £732 million
- B) £844 million
- C) £1.01 billion
- D) £1.12 billion

**7. In September 2025, Quantum Motion Technologies announced the delivery of the industry's first full-stack quantum computer built on what type of foundational technology?**

- A) Superconducting qubits
- B) Trapped ions
- C) Standard CMOS silicon
- D) Photonic quantum systems

**8. What is the projected total UK investment in quantum computing over the next four years, as stated in recent market reports?**

- A) £100 million
- B) £250 million
- C) £500 million
- D) £1 billion

**9. The UK's National Semiconductor Strategy aims to secure world-leading positions by focusing on specific strengths. Which of the following is NOT explicitly mentioned as a core strength in the strategy?**

- A) Research and Development (R&D)
- B) Compound Semiconductors
- C) Next-generation chip manufacturing
- D) Large-scale semiconductor fabrication plants

**10. What key agreement, signed by 28 countries and the European Union at the UK's AI Safety Summit in November 2023, established a shared understanding of AI risks?**

- A) The Bletchley Accord
- B) The London Declaration
- C) The Bletchley Declaration
- D) The Turing Treaty

**11. As of August 2025, what was the total annual income generated by the UK space sector?**

- A) £7.2 billion
- B) £18.6 billion
- C) £45.4 billion
- D) £55.5 billion