

Europe's Tech Surge: AI Act, Quantum Leaps, and Semiconductor Investment

European Tech · Answer Key · 10 Questions

1. The European Union's AI Act, which entered into force on August 1, 2024, is being implemented in phases. When are most obligations, including those for high-risk AI systems, currently scheduled to become fully applicable?

- A) February 2, 2025
- B) August 2, 2025
- C) August 2, 2026**
- D) December 2, 2027

2. The European Chips Act, adopted in 2023, has spurred significant investment. Approximately how much in chip-related investments has the act prompted to date, according to the European Commission?

- A) EUR10 billion
- B) EUR43 billion
- C) Over EUR80 billion**
- D) EUR120 billion

3. Europe is developing its quantum computing infrastructure. Which European city is set to host the first European quantum computer from the EuroHPC Joint Undertaking, integrated into supercomputers?

- A) Berlin, Germany
- B) Ostrava, Czechia
- C) Poznan, Poland**
- D) Munich, Germany

4. The EU's NIS2 Directive modernizes cybersecurity law. Which of the following sectors is NOT explicitly mentioned as being covered by the NIS2 Directive?

- A) Energy
- B) Food
- C) Space
- D) Tourism**

5. The European Cyber Resilience Act (CRA) aims to enhance the security of products with digital elements. When will most provisions of the CRA, such as CE marking and compliance with cybersecurity requirements, become applicable?

- A) September 2026
- B) December 2027**
- C) August 2028
- D) January 2028

6. Europe is seeing a rise in its biotechnology sector. Which of the following European companies is highlighted as an emerging innovator in antibody therapies?

- A) BioNTech
- B) Genmab**
- C) Sanofi
- D) Novartis

7. The EU AI Act includes provisions for General-Purpose AI (GPAI) models. When are the obligations for GPAI models set to become applicable under the current timeline?

- A) August 1, 2024
- B) February 2, 2025
- C) August 2, 2025**
- D) August 2, 2026

8. Significant investments are being made in Europe's semiconductor ecosystem. A joint venture including TSMC, Bosch, Infineon, and NXP is planning a new factory in which German city?

- A) Munich
- B) Hamburg
- C) Dresden**
- D) Berlin

9. The Critical Entities Resilience (CER) Directive complements NIS2 by focusing on physical resilience. What is the transposition deadline for Member States to implement the CER Directive into national law?

- A) October 17, 2024**
- B) January 16, 2025
- C) October 17, 2025
- D) January 16, 2026

10. The European Union is aiming to become a leader in quantum technologies. The EuroHPC Joint Undertaking plans to build pilot quantum computers to act as accelerators. How much is the total investment for this initiative, shared between the EU and participating countries?

- A) EUR50 million
- B) EUR100 million**
- C) EUR200 million
- D) EUR500 million