

Robotics Knowledge Quiz

Robotics · Answer Key · 12 Questions

1. What year was the first industrial robot, Unimate, installed on a General Motors assembly line?

- A) 1954
- B) 1961**
- C) 1972
- D) 1980

2. Who is widely credited with coining the term 'robot' in his 1920 play R.U.R. (Rossum's Universal Robots)?

- A) Isaac Asimov
- B) George Orwell
- C) Karel Capek**
- D) Arthur C. Clarke

3. The Mars rover Perseverance landed on Jezero Crater on which date?

- A) July 20, 2011
- B) August 6, 2012
- C) February 18, 2021**
- D) April 12, 2023

4. The first fully autonomous humanoid robot capable of walking was developed by which university research team?

- A) MIT
- B) Carnegie Mellon University
- C) Waseda University**
- D) University of Tokyo

5. What is the name of the robotic arm that performed the first space walk by a robot in 1983?

- A) Canadarm
- B) Shuttle Remote Manipulator System (SRMS)**
- C) Robonaut
- D) Dextre

6. The first commercially successful domestic robot vacuum cleaner, Roomba, was launched by iRobot in what year?

- A) 1997
- B) 2000
- C) 2002**
- D) 2005

7. Which company developed the industrial robot arm named KUKA KR QUANTEC, known for its high payload capacity?

- A) ABB
- B) Fanuc
- C) Yaskawa
- D) KUKA**

8. The advanced robotic surgical system, da Vinci, was first FDA-approved for laparoscopic procedures in what year?

- A) 1998
- B) 2000**
- C) 2006
- D) 2010

9. What is the approximate number of degrees of freedom (DOF) a typical human arm has, often a target for robotic arm design?

- A) 3-5
- B) 7-10
- C) 12-15**
- D) 20-25

10. The Boston Dynamics Atlas robot, known for its dynamic locomotion capabilities, was first publicly demonstrated in what year?

- A) 2009
- B) 2011**
- C) 2013
- D) 2015

11. Which robotic system, developed by NASA, was the first to be used to perform complex tasks autonomously in space during the STS-74 mission in 1995?

- A) Space Shuttle Remote Manipulator System (SRMS)**
- B) Canadarm2
- C) Robotic Operations System (ROS)
- D) Shuttle Pallet Satellite (SPAS)

12. The iconic robot R2-D2 from Star Wars first appeared on screen in which year?

A) 1966

B) 1977

C) 1980

D) 1983