**Multiple-Choice Questions on Artificial Intelligence**

1. Who is considered the "Father of Artificial Intelligence"?  
   A. Alan Turing  
   B. John McCarthy  
   C. Marvin Minsky  
   D. Herbert Simon
2. In which year was the term "Artificial Intelligence" first coined?  
   A. 1945  
   B. 1956  
   C. 1960  
   D. 1972
3. Which of the following best describes the current state of AI in terms of its application?  
   A. Limited to academic research  
   B. Primarily used in government projects  
   C. Applied widely in industry, healthcare, and consumer products  
   D. Restricted to robotics and automation only
4. Which of the following is a potential risk associated with AI?  
   A. Automation of repetitive tasks  
   B. Improved medical diagnosis  
   C. Job displacement due to automation  
   D. Enhanced personalized learning
5. An agent that operates in an environment using sensors and actuators is called:  
   A. Rational agent  
   B. Human agent  
   C. Robotic agent  
   D. AI-driven agent
6. A rational agent is one that:  
   A. Learns from past experiences  
   B. Acts to maximize expected performance  
   C. Always performs perfectly  
   D. Operates only in deterministic environments
7. Which component in an intelligent agent determines what action to take based on perceived input?  
   A. Actuator  
   B. Sensor  
   C. Performance measure  
   D. Decision-making component
8. Which of the following best defines a reflex agent?  
   A. An agent that acts based on previous experiences  
   B. An agent that considers future consequences  
   C. An agent that selects actions based on current percepts only  
   D. An agent with learning capabilities
9. One of the main benefits of AI in healthcare is:  
   A. Replacing doctors entirely  
   B. Providing remote surgical operations  
   C. Assisting in diagnosing diseases with greater accuracy  
   D. Eliminating the need for medical staff
10. The first AI program that successfully demonstrated symbolic reasoning was:  
    A. ELIZA  
    B. Deep Blue  
    C. Logic Theorist  
    D. Watson