



B.K. BIRLA CENTRE FOR EDUCATION

**SARALA BIRLA GROUP OF SCHOOLS
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL**



PRE MID TERM I: 2026-27

ARTIFICIAL INTELLIGENCE – SET 2

Class: VI

Time : 1 hr.

Date: 25-07-2026

Max Marks: 25

General Instructions:

All questions are compulsory.

The Question Paper is divided into three sections Section A to C.

- Section A has 15 questions and carry 1 mark each.
- Section B has 2 questions and carry 2 marks each.
- Section C has 2 question and carry 3 marks each.

Section A

Q1. Write the correct answer:

(6 x 1 = 6)

- i. A "Discover Weekly" playlist on Spotify is an example of AI because:
 - a) It plays the songs in the exact order you picked.
 - b) It requires you to press a button to start.
 - c) It learns your listening habits to suggest new songs.
 - d) It is a simple machine.
- ii. Which of the following is an example of AI in navigation?
 - a) A static map on a car dashboard from 20 years ago.
 - b) A compass.
 - c) Google Maps analyzing real-time traffic to suggest a faster route.
 - d) A printed road atlas.
- iii. Which robot, developed in 1966, was the first general-purpose mobile robot?
 - a) WABOT
 - b) Shakey
 - c) Big Dog
 - d) Sophia
- iv. In 2011, which IBM-created AI defeated human champions in the game show *Jeopardy!*?
 - a) Siri
 - b) Alexa
 - c) Watson
 - d) AlphaGo
- v. Which humanoid robot was created by Hanson Robotics in 2016 and is known as the first "robot citizen"?
 - a) Cortana
 - b) Aditi
 - c) Raveena
 - d) Sophia

- vi. What is the primary goal of automation?
- a) To make machines think like humans
 - b) To make tasks faster, safer, and more accurate
 - c) To create new rules for every task
 - d) To replace all human interaction

Q2. State True or False for the following statements (5 x 1 = 5)

- a. Google DeepMind's AlphaGo defeated human champions in the board game Go between 2015 and 2017.
- b. To pass the Turing Test, a machine must be able to trick a person at least 30% of the time.
- c. Siri and Alexa are examples of basic automation.
- d. AI can help identify patterns to predict future outcomes, such as health risks.
- e. A motion sensor that triggers an alarm every time it detects movement follows a strict, rule-based process.

Q3. For each question, choose the correct option: (4 x 1=4)

- a) Both Assertion (A) and Reason (R) are true, and R is the correct explanation of A.
 - b) Both Assertion (A) and Reason (R) are true, but R is NOT the correct explanation of A.
 - c) Assertion (A) is true, but Reason (R) is false.
 - d) Assertion (A) is false, but Reason (R) is true.
- i. **Assertion (A):** LISP (List Processing) is a highly popular and favored programming language for artificial intelligence research.
Reason (R): LISP was developed by John McCarthy in 1958.
 - ii. **Assertion (A):** Herbert Simon's prediction in 1957 that a computer would be chess champion within 10 years was an example of overconfidence in early AI.
Reason (R): His predictions came true within 40 years rather than 10, showing the initial optimism was largely unfounded for that time frame.
 - iii. **Assertion (A):** Over-reliance on AI could lead to societal problem like widespread unemployment and economic instability.
Reason (R): AI innovations are designed to reduce Human effort and provide accurate, quick solutions to problems.
 - iv. **Assertion (A):** By 1970, many AI researchers realized that their earlier promises to build all-purpose intelligent machines by the 1980s were too optimistic
Reason (R): Early AI programs were not successful at solving simple "toy problems,".

Section B

Q4. Write the answer in short(2-3 sentences). (2 x 2 = 4)

- i. Define and explain 'AI Winters'.
- ii. What is 'Turing Test' ? Explain it's working.

Section C

Q5. Write the answer in 5-6 sentences. (3 x 2 = 6)

- a) Write any three difference between automation and Artificial Intelligence.
- b) Write a brief history of Artificial Intelligence.

***** ALL THE BEST *****