



B.K. BIRLA CENTRE FOR EDUCATION

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



Term-I Examination : 2026-27 Artificial Intelligence – Set 1

Class: VI

Time : 2 hr.

Date: 12-09-2026

Max Marks: 50

General Instructions:

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

- Section A has 18 questions and carries 1 mark each. Need to attempt 16 only.
- Section B has 7 questions and carries 2 marks each. Need to attempt 5 only.
- Section C has 6 question and carries 3 marks each. Need to attempt 4 only.
- Section D has 4 questions and carries 4 marks each. Need to attempt 3 only.

Q1. Choose and write the correct answer from the given options. Attempt any ten questions.

[10 X 1 = 10]

- 1 Megabyte (MB) in computer storage units is equal to:
a) 1024 Bits b) 1024 Gigabytes c) 1024 Kilobytes d) 8 Bytes
- Which flowchart symbol is used to represent an input operation like "Read A"?
a) Rectangle b) Diamond c) Parallelogram d) Arrows
- Which type of intelligence involves thinking in pictures and seeing things in the "mind's eye"?
a) Word Smart b) Logic Smart c) Picture Smart d) Nature Smart
- Cruise control on a car, which maintains a specific speed, is an example of _____.
a) Artificial Intelligence b) Automation c) Manual Work d) Robots
- _____ is an example of virtual assistance.
a) Google Search b) Cortana c) Facebook d) Social Media
- The process of a digital assistant hearing your voice and turning it into words is called:
a) Natural language understanding b) Speech recognition
c) Text – to – Speech d) Creative brainstorming
- A digital camera produces _____ that can be stored on a computer, displayed on a screen, or even printed.
a) Digital Images b) Sound c) Documents d) Audio
- _____ is an informal way of writing a program's logic without using strict computer language rules.
a) Flowchart b. Algorithm c. Pseudocode d. Scratch program
- Musical smart Intelligence is the ability to recognize _____.
a) Rhythms b. Actions c. Movements d. Texts

10. Automation primarily involves performing tasks through _____.
 - a) Learning from Data
 - b) Mimicking human intelligence
 - c) Creating new rules based on experience
 - d) Pre-programmed rules with minimal human input
11. Watson is a natural language question-answering computer created by _____.
 - a) IBM
 - b. Infosys
 - c. TCS
 - d. Dell
12. AI-driven fitness apps that monitor physical movements to provide _____.
 - a) Already fed data
 - b. real-time data
 - c. News related data
 - d. Old data

Q2. Assertion and Reasoning:

[6 X 1 = 6]

- Both Assertion (A) and Reason (R) are true, and R is the correct explanation of A.
- Both Assertion (A) and Reason (R) are true, but R is NOT the correct explanation of A.
- Assertion (A) is true, but Reason (R) is false.
- Assertion (A) is false, but Reason (R) is true.
- Assertion(A): Computers are versatile machines capable of performing more than one task at the same time.

Reason (R): Data is a collection of raw and unorganized facts, such as words and numbers

- ii. Assertion(A): In a standard flowchart, a parallelogram is used to denote an input or output operation, such as "Read A" or "Print Sum",.

Reason (R): A rectangle symbol is the standard shape used to mark the beginning and end of a flowchart process

- iii. Assertion(A): Navigation apps like Google Maps or Waze are considered Artificial Intelligence rather than simple automation.

Reason (R): These apps analyze real-time traffic data from thousands of drivers to learn and suggest the fastest routes dynamically

- iv. Human intelligence is described as a "team of superheroes" because humans possess many different types of "smarts" like Word Smart and Music Smart.

Reason (R): John McCarthy was an American computer scientist who coined the term "Artificial Intelligence" in 1956.

- v. Assertion (A): The conversational program ELIZA was developed by Weizenbaum.

Reason (R): ELIZA was the first robotic system designed to navigate the surface of Mars without human intervention

- vi. Assertion (A): AI-assisted creativity tools act as a brainstorming buddy to help people with tasks like making art or writing stories.

Reasoning (R): These tools are designed to do the entire job for the user so they do not have to put in any effort

Section B: Short Questions

- Q3. Write the following questions answer in short. Write any five answers. [5 X 2 = 10]**

1. Explain working of a computer with the help of IPO cycle.
2. What are the advantages of Algorithm before creating the program?
3. What are disadvantages of AI over Human Intelligence? Write any two.

4. Explain difference in Automation and AI in the context with Self Driving Cars.
5. What is AI Winters? Explain in brief.
6. How an AI fitness App does helps in your daily life?
7. What are digital assistants? How are they helpful in our everyday life?

Section C: Long Questions

Q4. Answer the following questions. Write any four answers.

[4 X 3 = 12]

- How do self-driving cars perceive their environment and make decisions using AI to operate safely?
- Write brief history of Artificial Intelligence.
- How is problem solving better handled by AI than automation?
- Define Intelligence and explain any three types of various intelligence a Human have.
- What is Pseudocode? Write its three disadvantages.
- Explain measuring units of data.

Section D: Application/ Picture Based Questions

Q5. Do As Directed. Answer any three questions:

[3 X 4 = 12]

1. Identify the following device and write it's uses:



i.



11.

2. Create a flowchart diagram on Multiplication of two numbers.
3. Identify the work done by following machine and write the type of technology used in it(Automation of AI):



a.



b.

4. Identify the following image and explain how it works in our everyday life:



a.



b.

[illegible]