



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 2

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.

Section A: Objective Type Questions

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

[10 X 1 = 10]

- _____ is a collection of raw and unorganized facts.
a) Contents b) Data c) Information d) Texts
- A _____ is a physical part of a computer system.
a) Software b) Table c) Hardware d) AI Apps
- Kite/Diamond shaped box in a flowchart is used for?
a) Decision b) Input c) Processing d) End
- Which symbol in flowchart is used to represent output?
a) Rectangle b) Circle c) Rhombus d) Arrows
- _____ is an ability to learn, to solve problems, and to use what we have learned.
a) Driving b) Calculator c) Fear d) Intelligence
- _____ is a type of smarts we use to solve puzzle and do a math problem:
a) Musical smart b) Logical Smart c) Body Smart d) People Smart
- Which of the following is an example of automation in finance?
a) Self-Driving Cars b) Automated billing systems
c) Recommendations systems d) Virtual assistants
- Automation excels AI by saving _____.
a) Cost and safety based decisions b) smart decisions
c) unstructured decisions d) complex decisions
- Joseph Weizenbaum developed _____ an interactive program.
a) ChatGPT b. ELIZA c. Shakey d. Sophia

10. _____ is a period of AI Winters.
 a) 1955-1965 b) 1920-2000 c) 2000-2005 d) 1970-1990
11. _____ navigation is like having a personal guide to travel.
 a) AI Fitness App b. YouTube c. Alexa d. Google Maps
12. What do self-driving cars represent their 'eyes' and 'ears' to perceive the world around them?
 a) Human Drivers b. Radios and Speakers c. Cameras and Sensors d. Map books

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

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

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

- 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

- 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.

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

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

- 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]

- Write difference between RAM and ROM.
- What are the benefits of AI over Automation?
- What is AI Winters? Explain in brief.
- What is YouTube content recommendation system?

5. What are the disadvantages of AI over Human Intelligence? Write any two.
6. Write any two differences between Algorithm and Flowchart.
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]

1. Mention any three input devices that feeds the data to the computer. Explain them with context to their functions.
2. What is an Algorithm? Write any three disadvantages of creating an algorithm.
3. Describe the qualities of a person with interpersonal intelligence.
4. Detail the three main AI processes that allow digital assistants like Alexa, Siri, or Google Assistants to understand and respond to human voice commands.
5. Write brief history of Artificial Intelligence.
6. With respect to Home Security, show the difference between automation and AI.

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:



a.



b.

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

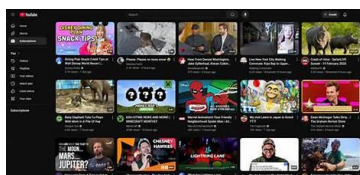


a.



b.

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



a.



b.

[illegible]