



# B.K. BIRLA CENTRE FOR EDUCATION

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



## PERIODIC TEST I 2026-27

### ARTIFICIAL INTELLIGENCE – SET – 1 (QUESTION PAPER)

Class : VIII

Date :

Admission No.:

Duration: 1 Hrs

Max. Marks : 25

Roll No.:

#### General Instructions:

Try to attempt all questions as per given order.

All questions are compulsory.

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

- Section A has 11 questions attempt 11 and carry 1 mark each.
- Section B has 4 questions attempt 4 and carry 2 marks each.
- Section C has 2 questions attempt 2 and carry 3 marks each.

#### SECTION – A

#### Q1. FILL IN THE BLANKS

(6x1 =6)

- A. A project is defined as a \_\_\_\_\_ effort that is temporary and has a specific goal.
- B. The AI Project Cycle is an \_\_\_\_\_ process, meaning you may need to go back and repeat earlier steps.
- C. The first phase of the AI Project Cycle is called \_\_\_\_\_.
- D. The specific outcome or result of a project is called a \_\_\_\_\_.
- E. In coffee production, the four major steps are Harvesting, Processing, \_\_\_\_\_, and Packaging
- F. The tool used in Problem Scoping to identify Who, What, Where, and Why is called the \_\_\_\_\_ Problem Canvas.

#### Q2. Choose the correct answer from the given options

(5x1 =5)

- A. Which of the following is a key characteristic of a project?
- a) It never ends
  - b) It is temporary and has a specific goal
  - c) It requires no planning
  - d) It has no constraints

- B. Which stage of the AI Project Cycle is the most time-consuming?
- a) Problem Scoping
  - b) Modelling
  - c) Data Acquisition
  - d) Evaluation
- C. What type of data consists of words, letters, and numbers that you can read?
- a) Image Data
  - b) Audio Data
  - c) Text Data
  - d) Video Data
- D. A project is a unique effort – no two projects are exactly the same. This statement is
- a) True
  - b) false
  - c) can't say
  - d) depends on the project
- E. Data Acquisition is the stage in the AI Project Cycle where the trained model is deployed for end-users. This statement is
- a) True
  - b) false
  - c) can't say
  - d) depends on the project

### **SECTION – B:**

#### **Short Answer Questions**

(2x4 =8)

- Q3.** What is a Project? Write any two key characteristics of a project.
- Q4.** Explain data exploration stage in your own words.
- Q5.** What is Problem Scoping? Why is it important for an AI project?
- Q6.** What is Data Acquisition? Give two examples of primary sources of data.

### **SECTION – C:**

#### **Long Answer Questions**

(3x2 =6)

- Q7.** Explain any three phases of the Project Life Cycle in your own words.
- Q8.** Explain the 4Ws Problem Canvas with the help of an example. What does each 'W' identify?

**\*\*\*\*\* END OF QUESTION PAPER – SET 1 - ALL THE BEST \*\***