



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 – 2 (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 has a specific beginning and a definite end. This characteristic is called _____.
- B. The _____ phase of the AI Project Cycle involves putting the model into a real-world production environment.
- C. In Data Acquisition, data collected from surveys and questionnaires is an example of a _____ source.
- D. A computer sees an image as millions of tiny coloured dots called _____.
- E. A project life cycle typically has four phases: Initiation, Planning, Execution, and _____.
- F. Public datasets from government websites are an example of _____ sources of data.

Q2. Choose the correct answer from the given options

(5x1 =5)

- A. Which phase of the AI Project Cycle uses the 4Ws Problem Canvas?
- a) Data Exploration
 - b) Modelling
 - c) Problem Scoping
 - d) Evaluation

- B. After training, the model's performance is assessed using a separate test dataset. Which phase does this describe?
- a) Problem Scoping
 - b) Data Acquisition
 - c) Modelling
 - d) Evaluation
- C. Which of the following is the most reliable open-sourced data source for an AI project?
- a) Social media posts
 - b) Random blogs
 - c) Government portals like data.gov.in
 - d) Private company databases
- D. The AI Project Cycle is a linear process – you always move forward and never revisit earlier steps. This statement is:
- a) True
 - b) false
 - c) can't say
 - d) depends on the project
- E. Extracting private data without permission is an offence. 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 the use of 4 W canvas? What does each 'W' identify?
- Q4.** What is Data Acquisition? Why is the quality and quantity of data important for an AI model?
- Q5.** What is the difference between Primary and Secondary sources of data? Give one example of each.
- Q6.** What do you mean by a problem statement? Give 1 example.

SECTION – C:

Long Answer Questions

(3x2 =6)

- Q7.** What is the AI Project Cycle? Explain any three steps of the AI Project Cycle in detail.
- Q8.** Explain Problem Scoping. How does it help in an AI project? Also describe any two benefits of doing proper Problem Scoping before starting a project.

******* END OF QUESTION PAPER – SET 2 - ALL THE BEST *******

