



B.K. BIRLA CENTRE FOR EDUCATION

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



PRE MID TEST 2026-27

A.I. – 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. Choose the correct answer from the given options

(7x1 =7)

- Which phase comes right after data collection, where you look closely at the data to understand it?
a) Data Exploration b) Deployment Phase c) Evaluation Phase d) 4W Phase
- Which of the following is a simple way to visualize or draw data so it is easy to read?
a) A Bar Graph b) Sketch Art c) Problem Scoping d) Data Acquisition
- What do we build in the "Modelling" stage of the AI project cycle?
a) Robots b) An AI model to solve a problem
c) Bar graphs d) Problem Statement
- Which stage helps to understand the problem completely?
a) Problem Scoping b) Evaluation c) Data Acquisition d) Deployment

- V. What is it called when an AI system treats individuals unfairly, like favouring one race or gender over another?
- a) AI Bias b) AI Exploration c) AI Problem Scoping d) None of the above
- VI. AI's ability to create realistic-looking fake news, fake images, and fake videos is known as:
- a) Deep fakes b) Prompting c) NLP d) Good Pictures
- VII. Which principle encourages AI solutions to be friendly to the environment and society?
- a) Sustainable b) Destructive c) Mean d) Secret

Q2. ASSERTION REASONING QUESTIONS.

(4x1=4)

In the questions given below, each question has two statements, marked as Assertion and Reason. Read the statements carefully and choose the correct option. (

a) Both assertion and reason are true, and the reason is the correct explanation for the assertion.

(b) Both assertion and reason are true, but the reason is not the correct explanation for the assertion.

(c) The assertion is true, but the reason is false.

(d) The assertion is false, but the reason is true.

(e) Both assertion and reason are false.

1. **Assertion (A):** AI bias is not created by the machine itself but is a reflection of human biases transferred during development. **Reason (R):** Lack of diversity in development teams can introduce bias because the teams might fail to recognize potential biases that affect different user groups.
2. **Assertion (A):** AI's ability to create realistic-looking deep fakes contributes significantly to the spread of misinformation. **Reason (R):** Racial bias in facial recognition occurs when training datasets contain a numerical errors.
3. **Assertion (A):** Ethical AI must not be Data Protective. **Reason (R):** AI systems raise significant privacy issues by collecting and using personal data without proper consent, which leads to a loss of personal control over information.
4. **Assertion (A):** Facial recognition software shows racial bias because it is less accurate at identifying people with darker skin tones. **Reason (R):** The training datasets used for

these AI models historically contained a disproportionately small amount of images of non-white individuals.

SECTION – B:

Short Answer Questions

(2x4 =8)

- Q3. Name any two types of graphs or charts used for Data Visualization?
- Q4. What is the main objective of the "Modelling" stage?
- Q5. In AI Ethics, what is "Job Displacement"?
- Q6. What is meant by "Misinformation" (or Deep fakes) in AI?.

SECTION – C:

Long Answer Questions (do any 2)

(3x2 =6)

- Q7. Briefly explain the "Evaluation" stage. Why is it important?
- Q8. What are the three key factors that lead to AI Bias during its development?

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