



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 – 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. Choose the correct answer from the given options

(7x1 =7)

1. What is the primary goal of the Data Exploration phase?
a) To gain deep understanding of the dataset b) To cook food in the kitchen
c) To play video games d) To delete all your computer files
2. Which visual representation is shaped like a circle and shows data in slices?
a) Bar Graph b) Pie Chart c) Line Graph d) Box Plot
3. Which stage in the AI project cycle focuses on building an AI model that learns from the prepared data?
a) Problem Coping stage b) The Modelling stage
c) The Deployment stage d) The Data exploration stage
4. Which stage acts as a "report card" for the AI model to check how accurately it does its job?

- a) Data Collection b) Evaluation c) Deployment d) Problem Scoping
5. What is the final step where a completed AI model is made available for users on mobile apps or websites?.
- a) Deployment b) Hiding c) Testing d) Exploring
6. AI's ability to create realistic-looking fake news, fake images, and fake videos is known as:
- a) Deepfakes b) True Facts c) Honest News d) Good Pictures
7. Which principle ensures that AI prioritizes protecting personal data and keeping it safe?
- a) Unbiased AI b) Data Protective c) Sustainable AI d) Human-centric AI

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):** At its core, ethics is the study of 3 domains, and how they are applied in AI field. **Reason (R):** Ethics is more personal than external rules, focusing on what an individual believes is the right thing to do even when nobody is watching.
 2. **Assertion (A):** AI bias is created by the machine itself but is not 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.
 3. **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 disproportionately small amount of images of non-white individuals.

4. **Assertion (A):** Ethical AI must be Data Protective. **Reason (R):** AI systems don't raise significant privacy issues by collecting and using personal data without proper consent, which leads to a loss of personal control over information.

SECTION – B:

Short Answer Questions

(2x4 =8)

- Q3. Explain the two main types of approaches used in AI models?
Q4. Explain Data Visualization in simple words?
Q5. What do you mean by "Privacy Issues" in Artificial Intelligence?
Q6. Explain with the help of 2 real life examples of AI Bias.

SECTION – C:

Long Answer Questions

(3x2 =6)

- Q7. Explain the "Learning-Based Approach" in your own words. How is it different from a rule-based approach?
Q8. What are the three key factors that lead to AI Bias during its development?

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