

5. Which of the following is an ethical concern in AI?
- a) Transparency
 - b) Privacy
 - c) Bias
 - d) All of these

Section C: Fill in the Blanks

1. The first step in AI Project Cycle is _____.
2. AI systems learn patterns from _____.
3. _____ ensures that AI decisions are understandable.
4. The stage where data is analyzed is called _____.
5. Protecting user data is called _____.

Section D: Short Answer Questions

1. List the stages of the AI Project Cycle.
2. What is Data Exploration?
3. Define Bias in AI with an example.
4. What is the importance of Ethical AI?
5. Explain the role of stakeholders in AI projects.

Section E: Long Answer Questions

1. Explain all the stages of the AI Project Cycle in detail.
2. Discuss the key Ethical Principles of AI:
 - Fairness
 - Accountability
 - Transparency
 - Privacy
3. Explain how bias can be reduced in AI systems.

Section F: Case-Based Questions

1. A company develops an AI system for hiring employees. It is observed that the system favors male candidates over female candidates.

Answer the following:

- a) Identify the issue in the system.
 - b) Which ethical principle is violated?
 - c) Suggest two ways to fix this issue.
2. A school uses AI-based facial recognition for attendance. Some parents are concerned about misuse of data.

Answer the following:

- a) Which ethical concern is highlighted?
- b) Suggest measures to ensure data safety.
- c) Why is transparency important in this case?

Section G: Competency-Based Questions (Application)

1. Identify the stage of AI Project Cycle:
 - Defining the problem → _____
 - Collecting data → _____
 - Building model → _____
2. A chatbot gives incorrect answers frequently.
 - Which stage needs improvement? Why?