



INDIAN SCHOOL AL WADI AL KABIR

Class: IX	Department: Computer Science
QUESTION BANK	ARTIFICIAL INTELLIGENCE

CHAPTER-1 DATA LITERACY

Section A – Multiple Choice Questions:

Choose the correct answer.

1. Data is best defined as:

- a) Processed information
- b) Raw facts and figures
- c) A conclusion
- d) A report

2. Which of the following is an example of qualitative data?

- a) Height of students
- b) Number of books
- c) Favourite sport
- d) Marks scored

3. Which chart is most suitable for comparing sales in different months?

- a) Pie Chart
- b) Bar Graph
- c) Flowchart
- d) Mind Map

4. Which of the following is a primary source of data?

- a) Newspaper article
- b) Government report
- c) Survey conducted by students
- d) Website

5. Which software is commonly used for organizing and analysing data?

- a) Paint
- b) LibreOffice Calc
- c) VLC Media Player
- d) Notepad

6. Data collected from 100 students about their favourite subject is an example of:

- a) Numerical data only
- b) Categorical data
- c) Binary data
- d) Time-series data

7. Which of the following helps in protecting personal data?

- a) Sharing passwords
- b) Using strong passwords
- c) Posting personal details online
- d) Ignoring privacy settings

8. Which step comes first in data analysis?

- a) Drawing conclusions
- b) Collecting data
- c) Making charts
- d) Presenting results

9. Which of the following represents numerical data?

- a) Blue
- b) Excellent
- c) 85
- d) Cricket

10. Data literacy mainly refers to:

- a) Reading story books
- b) Understanding, analysing and using data effectively
- c) Learning programming only
- d) Browsing the internet

Section B – Short Answer Questions:

1. Define data literacy.
2. Differentiate between data and information with one example.
3. Name any two sources of data collection.
4. What is the importance of data visualization?
5. Write any two differences between qualitative and quantitative data.
6. Mention two precautions while collecting data through surveys.
7. Why is data privacy important?
8. Name any four types of graphs used to represent data.
9. Explain the term "dataset."
10. State two real-life applications of data literacy.

Section C – Long Answer Questions:

1. Explain the complete data analysis process by describing the following steps:
 - Data Collection
 - Data Cleaning
 - Data Analysis
 - Data Visualization

2. Read the following situation:

A school wants to improve its library services. Students are asked to fill out a questionnaire about:

- Number of books borrowed each month
- Favourite book genre
- Time spent reading weekly

Answer:

- a) Identify one quantitative data collected.
- b) Identify one qualitative data collected.
- c) Suggest one suitable graph for numerical data.

3. Explain the importance of responsible use of data under the following headings:

- Data Accuracy
- Data Privacy
- Ethical Use of Data
- Secure Storage of Data

4. A school surveyed **120 students** about their preferred extracurricular activity.

Activity	Students	
Sports	45	
Music	30	
Art	25	
Dance	20	

Answer the following:

- a) Which activity is the most preferred?
- b) Which activity is the least preferred?
- c) How many students chose Music and Art together?
- d) Which graph would best represent this data? Give a reason.

5. A student recorded the daily screen time (in hours) of five friends.

Friend	Hours
A	2
B	5
C	4
D	3
E	6

Answer:

- Who has the highest screen time?
- Calculate the average screen time.
- Suggest one way to reduce excessive screen time.
- Why is analysing this data useful?