



INDIAN SCHOOL AL WADI AL KABIR

Class: VII	Department: Computer Science	Year: 2026-2027
Worksheet -1 with solutions	Subject: Computer Science Topic: AI Domains and Applications	

i) Multiple choice questions?

1. Which AI technique predicts numerical values?
 - a) Classification
 - b) Clustering.
 - c) Regression.
 - d) Detection.
2. Which AI domain works with images and videos?
 - a) NLP
 - b) Data Science
 - c) Computer Vision
 - d) Science
3. Clustering is mainly used to:
 - a) Predict marks
 - b) Group similar data
 - c) Translate language
 - d) Detect spam
4. In classification, the output is?
 - a) A continuous value
 - b) A predefined category
 - c) A random number
 - d) A chart

5. In dataset division, which data is used for final evaluation?

- a) Training
- b) Validation
- c) Test
- d) Raw data

ii) Fill in the blanks?

1. Regression predicts _____ values.
2. Clustering does not require _____ data.
3. Computer Vision works mainly with _____ and videos.
4. NLP helps machines understand _____
5. A dataset is divided into training, validation, and _____ sets.

iii) Identify the AI Domain.

AI APPLICATION	IDENTIFY THE TERM
Analysing MRI scans	
Text summarization of long articles	
Recommending products based on past purchases	
Grouping customers by buying behaviour	
Chatbot answering customer queries	

Solutions

i) Multiple choice questions.

1. c) Regression
2. c) Computer Vision
3. b) Group similar data
4. b) A predefined category
5. c) Test

ii) Fill in the blanks?

1. continuous
2. labelled
3. images
4. language
5. test

iii) Identify the AI Domain

AI APPLICATION	IDENTIFY THE TERM
Analysing MRI scans	Computer Vision
Text summarization of long articles	NLP
Recommending products based on past purchases	Data Science
Grouping customers by buying behaviour	Data Science (Clustering)
Chatbot answering customer queries	NLP