

Worksheet

Name:

Roll No: Class: Section:

Date:

AI PROJECT CYCLE

Chapter-2

1. Choose the correct option.

- (a) Which of the following is a mathematical approach to find a relationship between two or more variables?
- | | |
|------------------|----------------------------|
| (i) Clustering | (ii) Unsupervised Learning |
| (iii) Regression | (iv) Classification |
- (b) are a series of algorithms used to recognise hidden patterns in raw data, cluster and classify it, and continuously learn and improve.
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|-----------------------|----------------------|
| (i) Computer Networks | (ii) Neural Networks |
| (iii) Neurons | (iv) Nodes |

2. Define the following:

- (a) Problem scoping

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- (b) Rule based approach

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3. Guess who am I?

- (a) I am the fourth stage in the AI project cycle.
- (b) I am a type of learning based approach where a machine learning algorithm enables an agent to learn in an environment to find the best possible behavior.
- (c) I am a machine learning approach where the machine partitions the dataset into different clusters or categories based on machine generated algorithms.
- (d) I am a diagrammatic representation of flow of data in a process.