



## INDIAN SCHOOL AL WADI AL KABIR

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| <b>Class: VIII</b>              | <b>Department : Computer Science</b>                  | <b>Year :2025-2026</b> |
| <b>Worksheet with Solutions</b> | <b>Subject:Computer Science<br/>Topic: AI domains</b> |                        |

### I. Choose the correct answer

1. What is Artificial Intelligence?
  - a)Putting your intelligence into computer
  - b)Programming with your own language
  - c)Making a machine Intelligent**
  - d)Putting more memory into a computer
2. Which of the following is the category of artificial intelligence?
  - a)Strong Artificial Intelligence**
  - b) Bookish Artificial Intelligence
  - c)Taxonomy
  - d)All of these
3. What is it called when we review data from past events,looking for patterns?
  - a)Data crunching
  - b)Data Visualisation
  - c)Data Analysis**
  - d)Data sweeping
4. Raju,Biku and Kamal are playing Rock-Paper-Scissor.Raju draws Scissor while Biku and Kamal drew paper.What is the result of the game?
  - a)Raju lost.Biku and Kamal tied
  - b)All three of them tied
  - c)Biku won as he drew first
  - d)Raju won.Biku and Kamal lost**
5. Which of the following is not a natural language?
  - a)English
  - b)French
  - c)Java**

d)Chinese

6. What does CV stands for in AI?

a)Common Virtual

b)Computer Virtual

c)Common Vision

d)**Computer Vision**

7. Which of the following type of AI aims to build machines that are better than humans in every aspect?

a)Narrow AI b)Strong AI c)**Super AI** d)None of these

8. Which of the following is a disadvantage of AI?

a)reducing errors b)Ability to complete dangerous tasks c)**No-out of the box thinking** d)None of these

9. Which subsets of AI lets machines see and extract meaning from the pixels of an image?

a)**Computer Vision** b)Natural Language Processing c)Voice Recognition

d)None of these

10. Which of the following is the starting point of every application?

a)CV b)**Data** c)NLP d)All of these

11. Which Term is used to describe machine that mimic cognitive functions that human associative with the human mind

a) Machine intelligence b)**Artificial intelligence** c) Domain intelligence

d) Cognitive intelligence

## II. Fill in the Blanks

1. Data contains facts and statistics collected together for reference and analysis.

2. Term “Weak Artificial intelligence “ is coined by John Searle.

3. A Natural language is any language that has evolved naturally among humans.

4. The game ‘Mystery Animal’ illustrates the basic principles of a machine learning technology using Natural Language Processing.

5. Computer vision is all about recognising patterns inside images and identifying elements that are familiar.

6. Machine Learning enables a computer to understand the context of visual data by using algorithmic models.

7. Face recognition systems used at workplace and schools to mark the attendance are based on Computer Vision.

8. Personal Assistant applications such as Google Assistant ,Siri and Alexa are based on NLP

III. State whether these statements are true or false

1. Data is an individual unit of information.**True**
2. NLP stands for New Logistics Plan.**False**
3. AI cannot recognize natural language and can only respond to programming languages.**False**
4. Computer vision refers to the level of vision clarity that a computer can provide in its display.**False**
5. Emoji Scavenger Hunt is a game that showcases Machine Learning technology .**True**

IV. Application based questions

1. Rohit,Madan and Mohan ,three friends, were discussing AI and the domains they had studied in class.Rohit said the Emoji Scavenger Hunt game is also based on AI.Mohan enthusiastically asked about the technique used in this game.Madan said the game is based on computer vision.Is it true?(if yes,justify your answer)

Ans:True ,

In Emoji Scavenger Hunt game, computer vision could be used to recognize and interpret emojis or objects in images, helping the game identify specific visual elements and guide the player accordingly.

2. Simran and Geeta are two friends.Simran is very interested in computer vision.She reasearched about computer vision using Internet.Geeta asked, “which technique is used in pattern recognition?”Simran said the following statements. Which of them is correct?
  - a) In pattern recognition , a computer is provided with lots of images so that it can identify a pattern.
  - b) Computer vision is all about pattern recognition.
  - c) Using computer vision, we cannot generate large amounts of data.
  - d) Computer vision is not a part of AI.

Ans: option a