 **Indian School Al Wadi Al Kabir**

**Pre-Mid Term Examination**

**ARTIFICIAL INTELLIGENCE (CODE:417)**

**SET-1**

Class: IX Time: 1 Hour

Date: 06/06/2024 Max. Marks: 30

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| General Instructions:  **SECTION A**: I. All Questions are compulsory.  **SECTION B**:  II. Answer any 5 out of the given 6 questions each carries 2 marks.  III.Answer any 2 questions out of given 4 questionseach carries 4 marks. |

**SECTION A: OBJECTIVE TYPE QUESTIONS**

1. **Answer all the following: (12 x 1 =12 marks)**
   * + 1. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ can be in any form textual information, audio, video, big data like predictions, insights, forecasts, decision making.
       2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is the AI based applications that help us in navigation.
       3. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_joins words, phrases, or clauses.
       4. Smart assistants such as Alexa, Siri are the examples of

a. Natural Language Processing b. Data Science

c. Machine Learning d. Computer Vision

5. A verb describes the action and Object is the person or thing that receives the action. (True/False)

6. An application lets you search what you see, get things done faster and understand the world around you using just your camera or a photo. Which domain does this app belong to?

a) Natural Language Processing b) Data Sciences

c) Computer Vision d) Artificial Language Processing

1. Which one of the following is an application of AI?

a) Remote controlled Drone b) Self-Driving Car

c) Self-Service Kiosk d) Self-Watering Plant System

8. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_communication is the use of language to transfer information through speaking or sign language.

9. Full stop, comma, Exclamation mark, Question marks, Apostrophe are the types of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

10. Computer vision is concerned with modelling and replicating human vision using computer software and hardware. (True/False)

11. Online shopping on Amazon and eBay like websites using chatbots to collect data of customers and building a good rapport with buyers is related to which application of AI?

12. Chatbots are the examples of AI models using NLP. (True/False)

**SECTION B: SUBJECTIVE TYPE QUESTIONS**

**II.Answer any 5 out of the given 6 questions (5 x 2 = 10 marks)**

1. Explain two examples of artificially intelligent applications in a smart home.
2. Define Data Science.
3. Define a paragraph with an example.
4. List any 4 advantages of written communication.
5. Define Natural Language Generation (NLG).
6. List any 4 disadvantages of verbal communication.

**III.Answer any 2 questions out of given 4 questions (2x 4 = 8 marks)**

1. In CV, list the 4 methods to produce information.
2. Explain how AI works in the following areas:
3. Google Search Engine b) E-commerce websites
4. Explain communication cycle.
5. Explain the applications of AI in healthcare and Banking and Finance

**\*\*\*\*\*\*\*\*\* ALL THE BEST \*\*\*\*\*\*\*\***