

ATOMIC ENERGY CENTRAL SCHOOL-3, MUMBAI

PT 1 2024-25

CLASS: IX

DURATION: 1 Hr.

SUBJECT: ARTIFICIAL INTELLIGENCE

MAX. MARKS: 25

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ANSWER THE FOLLOWING (2 marks)

1) Match the columns

Column A:

Communication Barriers

Column B:

Examples

1. Language

2. Emotional

3. Environmental

4. Cultural

A. Trying to read a book when somebody else is watching TV in the same room.

B. In some cultures, wearing shoes and walking inside the kitchen is considered rude and disrespectful.

C. Talking in Hindi when others know only Tamil.

D. Parent is not talking to the child

ANSWER THE FOLLOWING (1 mark each)

2) _____ is the language commonly used for AI programming.

3) _____ is an example of self-driving car.

4) Face recognition is a part of which AI domain?

5) Write one disadvantage of AI.

6) Google translate is an example of _____ domain

7) _____ is a popular humanoid.

8) Chatbot is a part of _____ domain of AI

9) AI can exhibit human emotions. True or False?

10) _____ is known as father of AI.

Answer the following. Any one. (2 marks each)

11) Explain any two Cs of communication.

12) Discuss any one advantage and 1 disadvantage of verbal communication.

Answer the following. Any 2 (2 marks each)

13) How can AI be used as a tool to transform the world into a better place? Give 2 examples.

14) What is AI? Define.

15) Identify the domain of AI of the following games:

1) Rock Paper, Scissors 2) Semantris 3) Quick draw 4) Akinator

Answer the following. Any 2 (4 marks each)

16) Explain any four areas of application of AI, which you see around you.

17) Draw out the difference between the three domains of AI with respect to the types of data they use, with the help of an example each.

18) Explain any 4 SDGs.
