



**ST. MARGARET SR. SEC. SCHOOL
MID TERM EXAMINATION 2023-24
ARTIFICIAL INTELLIGENCE**

SAMPLE PAPER

SUBJECT CODE: 417

CLASS IX

Time: 2 Hrs

M.M: 25

IMPORTANT INSTRUCTIONS:

- **The Question Paper consists of two sections: Section A and Section B.**
- **The Question paper consists of 28 questions in total.**
- **Section A has Objective type questions whereas Section B contains Subjective type questions.**
- **Section A**
1x15=15 marks
- **Section B**
2x6=12 marks
3x5=15 marks
4x2=8 marks
- **All questions of a particular section must be attempted in the correct order.**

SECTION A

1x15=15

Multiple Choice Questions (write the correct answer)

1. What will be the output of
name="python"
print(name)
a. name b.python c.Python
2. Which of the following comes under Problem Scoping?
a. System Mapping b. 4 W's Canvas c.Data Features
- 3.In python, value of 22%3 will give output as _____
a. 7 b. 1 c.3
- 4.What will be the output ?
hobby="reading"
print(hobby)
a. hobby b.Error c. reading
- 5.What in 4W's refers to _____.
a. What is nature of problem?
b. What is the solution?
c. What are the disadvantages?
6. _____ coined the term "Artificial Intelligence"
a. Herbert Simon b. Allan Turing c. John McCarthy
7. Shoulder Shrug and Palm rub are the examples of _____.
a. Facial Expression b. Verbal Communication c. Body Gesture and Movements
8. _____ and _____ are two social media accounts.
a. MS-Word & Google Doc

- b. Internet & AI
 - c. Twitter & LinkedIn
9. Google released _____ as a smart speaker that uses AI to act as a personal assistant.
- a. Siri
 - b. Google Home
 - c. Bixby
10. _____ is a Data visualization technique.
- a. Flowchart
 - b. Program
 - c. System Map
11. _____ is the sequence of phases that a project goes through from its initiation to its closure.
- a. Project
 - b. Project Cycle
 - c. Project Life Cycle
12. A program that is used to detect unsolicited and unwanted email and prevent those messages from getting to a user's inbox.
- a. AutoResponse
 - b. Spam Filter
 - c. Email Blocker
13. Python language was developed by _____.
- a. Van Rossum
 - b. Guado Van Russam
 - c. Guido Van Rossum
14. What is a variable?
- a. Memory location to store values
 - b. Data Type
 - c. Type of graphics
15. Narrow AI is also called _____.
- a. Strong AI
 - b. Weak AI
 - c. Future AI

SECTION B

- 16. What is Non Verbal Communication? Explain any two gestures. 2
- 17. What is Data Visualisation? Mention two data visualization techniques. 2
- 18. "Future Smart homes will control everything at your fingertips". Explain 2
- 19. What is Fuzzy Logic? Give Examples. 2
- 20. What is ICT? 2
- 21. Write a note on Digital India. 2

- 22. "# character starts a comment in Python". Explain? 3
 - 23. Write about any three Robots in history of AI. 3
 - 24. Differentiate between Modelling and Evaluation of AI Project Cycle. 3
 - 25. WAP in Python using input statements to calculate Area of a Triangle. 3
- OR
- 25. Mention any 6 points where ICT is used in our daily life.
 - 26. Explain Narrow AI and General AI 3

27. Write a short note on use of AI 4
- a. Smart Home Devices
 - b. Netflix
 - c. Siri
 - d. Music and Media

28. Explain with examples about Data Exploration and Data Visualization in detail. 4

OR

28. Write about any two:
- a. Features of Python
 - b. Application of Python
 - c. Data types of Python
 - d. Modes of Python

