



ST. MARGARET SR. SEC. SCHOOL
MIDTERM EXAMINATION 2024-25
SUBJECT: COMPUTER SCIENCE
CLASS: IX

Time: 2Hr

SAMPLE PAPER

M.M: 50

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. _____ AI domain works with images and videos.
a. Natural Language Processing b. Data Science c. Computer Vision
2. Which of the following is the first step in the AI Project Cycle?
a. Modelling b. Deployment c. Problem Scoping
3. In which AI Project Cycle stage are AI models or algorithms selected and implemented?
a. Problem Scoping b. Data Exploration c. Modelling
4. Which AI Ethics Principle ensures that AI solutions do not violate human rights?
a. Bias b. Inclusion c. Human Rights

5. **Assertion (A):** The AI project cycle is a cyclical process that helps to create better AI projects easily.

Reason (R): The AI project cycle involves different steps that guide the completion of an AI project.

- a. Both Assertion (A) and Reason (R) are true, and Reason (R) is the correct explanation of Assertion (A).
- b. Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of Assertion (A).
- c. Assertion (A) is true, but Reason (R) is false.

6. The last stage of Project Cycle is _____.

- a. Problem Scoping b. Deployment c. Modelling

7. _____ is the practice of protecting digital information from unauthorized access, corruption, or theft.

- a. Data Privacy b. Data Literacy c. Data Security

8. The number of students in a class represents _____ type of data.

a. Discrete Data b.Continuous Data c. Categorical Data

9. _____ AI domain is used for textual data.

- a. CV b.SD c. NLP

10. Sources for primary data include surveys, _____, experiments.

- a. Interviews b. .gov datasets c.Kaggle

11.What is the correct order of AI project cycle from the top.

- a.Problem Scoping, Data Exploration, Data Acquisition, Deployment, Modelling, Evaluation
b. Problem Scoping, Data Acquisition, Data Exploration, Modelling, Evaluation, Deployment
c. Problem Scoping, Data Acquisition, Data Exploration, Modelling, Deployment, Evaluation

12. _____ are the characteristics or properties of data.

- a. Data Features b. Data Privacy c. Data Security

13. _____ is the belief about your own ability to deal with events and challenges.

- a. Self Monitoring b. Self Esteem c. Self Efficacy

14. ICT stand for Information and _____ technology.

- a. Computer b. Communication c. Career

15. _____ is to examine each component of the data in order to draw conclusions.

- a. Data Analysis b.Data Interpretation c. Data Processing

Section B

16. Write any four points that one should follow to protect computers, servers, mobile devices, electronic systems, networks, and data from harmful attacks. 2

17. What is the correct order of Data Pyramid starting from Bottom? 2

18. Write about Digital India? 2

19. What are the three categories of Self Management Skills? 2

20.How ICT is used in our daily life. 2

21. _____ and _____ are AI models 2

22. Differentiate between Good data and Bad Data. 3

23. Write about the following:

- a. Data Exploration
b. Deployment
c. Qualitative Data 1x3=3

24. What Data Literate can do?(write at least 3 points) 3

25. What is Data Interpretation? Write about its various methods 1+2=3

26. What are the key principles of AI ethics that affect the quality of AI solutions? 3

27. a. Differentiate between Data Literacy and Data Privacy

- b. Why Data Privacy is important 2+2=4

28. Alex is the HR Manager at Global Corp and is facing difficulties with remote employees, especially in terms of communication. Remote employees are having trouble connecting with each other due to frequent network issues, resulting in communication gaps. How would you apply the 4Ws of Problem Scoping in this situation? 4