

ATOMIC ENERGY CENTRAL SCHOOL-1, HYDERABAD
TERM-1 / PT-II EXAMINATION, 2025-26

Class: IX
Subject: AI (Artificial Intelligence)

Duration: 2 hours
Max. Marks: 50

General Instructions:

1. This Question Paper consists of two sections: Section-A & Section-B
2. All questions of a particular section must be attempted in the correct order.

Section-A

- 1. Answer any 4 out of the given 6 questions: (1 X 4 = 4)**
- i. Which of the following is an orientation and positioning of our body to send various meanings?
(A) Body posture (B) Sender
(C) Communication (D) Communication Channel ()
- ii. Which of the following is a word that replaces a noun?
(A) Pronoun (B) Verb
(C) Adverb (D) Preposition ()
- iii. Which of the following helps you to have a good control on your strength and weakness?
(A) Motivation (B) Self-management
(C) Self-control (D) Management ()
- iv. Which of the following impacts is the behavioral characteristic of people based on their surroundings, religions, traditions, customs and festivals?
(A) Social (B) Political
(C) Cultural (D) Natural ()
- v. _____ process helps in sharing of a common meaning between the sender and the receiver.
- vi. Positive thinking brings a positive impact on your physical and mental health. (True / False)
- 2. Answer any 5 out of the given 6 questions: (1 X 5 = 5)**
- i. Which of the following refers to the simulation of human intelligence processes by machines?
(A) Intelligence (B) Machine
(C) Artificial Intelligence (D) Processing the data ()
- ii. Which of the following is a diagrammatic representation of a set of things working together?
(A) Data visualization (B) AI mapping template
(C) System map (D) Nomura ()

- iii. _____ has successfully developed a system that can analyze retinal scans and spot systems of sight-threatening eye diseases.
 (A) Google's DeepMind (B) Chatbots
 (C) See & Spray (D) Data graph ()
- iv. The See & Spray robot is used in which of the following field?
 (A) Agriculture (B) Business
 (C) Education (D) Healthcare ()
- v. _____ refers to a central topic or recurring issue that emerges from the analysis and exploration of particular problem space.
- vi. In India, the first Community Centre for Artificial Intelligence was launched in Hyderabad. (True / False).

3. Answer any 5 out of the given 6 questions: (1 X 5 = 5)

- i. _____ illustrates the progressive transformation of raw data into actionable wisdom.
 (A) Data (B) Data literacy
 (C) Data pyramid (D) Information ()
- ii. Data literacy enhances _____ ability in individuals based on evidence.
 (A) Programming (B) Understanding
 (C) Decision-making (D) Information ()
- iii. Designing _____ metric for the data literacy program involves creating a structural framework.
 (A) Mathematical (B) Logical
 (C) Skill (D) Evaluation ()
- iv. _____ should be organized in a way that makes sense so that it can be used effectively.
 (A) Data (B) Knowledge
 (C) Privacy (D) Ethics ()
- v. _____ refers to any collection of raw facts, figures, statistics or information that can be stored and processed by a computer.
- vi. In a pie graph, data is represented using vertical and horizontal bars. (True / False)

4. Answer any 5 out of the given 6 questions: (1 X 5 = 5)

- i. Which type of data can be used as input in the Computer Vision of AI?
 (A) Numeric (B) Symbols
 (C) Image and Video (D) All of these ()

- ii. Which of the following is an application in which the NLP is used?
 (A) Google Assistant (B) Alexa
 (C) Siri (D) All of these ()
- iii. _____ is a graphical representation that illustrates the performance of a binary classifier system at varying threshold values.
 (A) ROC Curve (B) Confusion matrix
 (C) Data augmentation (D) Data matrix ()
- iv. _____ means finding the patterns and trends in data.
 (A) Data visualization (B) Data exploration
 (C) Data augmentation (D) Data validation ()
- v. _____ can be used to answer FAQs for smooth business functioning.
- vi. Data visualization encompasses few aspects of the visual representation. (True / False)

5. Answer any 5 out of the given 6 questions: (1 X 5 = 5)

- i. The data pyramid begins with _____.
 (A) Top level (B) Raw data
 (C) Information (D) Knowledge ()
- ii. _____ is about hunting for valuable information in different places, checking if it's good quality and making sense.
 (A) Data discovery (B) Data investigation
 (C) Data quality (D) Data literacy ()
- iii. Which of the following is not the method of data collection in qualitative data interpretation?
 (A) Record keeping (B) Observation
 (C) Case studies (D) Driving ()
- iv. _____ should not have duplicates, missing values and other anomalies so that its reliability and usefulness for analysis is not affected.
 (A) Text data (B) Clean data
 (C) Visual data (D) Ethical data ()
- v. _____ is a powerful data visualization and business intelligence tool.
- vi. Data interpretation helps in making informed decisions by providing a clearer picture of the situation. (True / False)

Section-B

Answer any 3 out of the given 5 questions:

(2 X 3 = 6)

6. Write any 2 rules for writing a paragraph?
7. Define the following terms:
 - i) Phrase
 - ii) Capitalization
8. Write any 4 examples of strength.
9. Name any 4 physical factors that will influence the personality of a person.
10. Identify the type of communication in the following:
 - i) SMS from school for class picnic
 - ii) Class teacher announced the student of the month
 - iii) Singing a birthday song of your best friend
 - iv) Directions on the cover of your Lego kit.

Answer any 4 out of the given 6 questions:

(2 X 4 = 8)

11.
 - i) Name any 2 different Domains of AI.
 - ii) List any 2 categories in which the AI systems are classified.
12. Explain the two types of data.
13. Explain any 2 concerns related to AI.
14. Write the impacts of data literacy in Business and Education.
15. Explain any 2 key steps involved in Data Acquisition.
16. Explain the types of data used in Computer Vision.

Answer any 3 out of the given 5 questions:

(4 X 3 = 12)

17.
 - i) Explain any 2 world famous AI machines.
 - ii) Explain any two examples of AI around us.
18. Explain any 4 advantages of AI.
19. Explain any 4 ethical issues related to problem selection.
20. Explain any 4 ways that will help you to become data literate.
21. Why is data privacy important? Mention any 4 points.

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