

केन्द्रीय विद्यालय संगठन, कोलकाता
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कृत्रिम बुद्धिमत्ता

ARTIFICIAL INTELLIGENCE

सत्र समाप्ति परीक्षा/ SESSION ENDING EXAMINATION

सत्र/ SESSION 2025-26

कक्षा:/CLASS: सातवीं /VII

अनुभाग/ SEC: [A/B/C/D](Tick on section and write here)

रोल नंबर/ Roll No.

अधिकतम समय/ Max. Time: 2 घंटे/ 2 Hours

अधिकतम अंक/ Max Marks: 50

General Instructions:

- कृपया निर्देशों को ध्यानपूर्वक पढ़ें। सभी प्रश्नों को सही क्रम में हल करना आवश्यक है।
Please read the instructions carefully. All questions must be attempted in the correct order.
- इस प्रश्न पत्र में तीन भाग हैं अर्थात् खंड A, खंड B और खंड C।
This question paper consists of THREE parts viz. Section A, Section B and Section C

SECTION-A: Answer the following questions.

(28 Marks)

1. Answer any 15 out of given 16 questions.

(1 x 15 = 15 marks)

- What does NLP stand for?
 - Natural Language Processing
 - National Language Program
 - Natural Learning Process
 - None
- What is an example of NLP application?
 - Face recognition
 - Chatbots
 - Self-driving cars
 - None
- What is statistical data used for?
 - Predicting outcomes
 - Understanding patterns
 - Making decisions
 - All of the above
- What is the main goal of NLP?
 - To make machines think
 - To make machines understand human language
 - To make machines learn
 - None
- What is an example of quantitative data?
 - Colour
 - Height
 - Taste
 - None

- vi. Which AI domain is used in virtual assistants like Siri?
(a) NLP
(b) Computer Vision
(c) Robotics
(d) None
- vii. What is an example of qualitative data?
(a) Height
(b) Weight
(c) Colour
(d) None
- viii. Which AI domain is used in speech recognition?
(a) NLP
(b) Computer Vision
(c) Robotics
(d) None
- ix. What is an example of NLP application in customer service?
(a) Chatbots
(b) Email support
(c) Phone support
(d) None
- x. What type of data is collected through surveys?
(a) Quantitative data
(b) Qualitative data
(c) Both (a) and (b)
(d) None
- xi. What is the timeline for achieving SDGs?
(a) 2025
(b) 2030
(c) 2050
(d) None
- xii. What is sustainability?
(a) Using resources quickly
(b) Protecting the environment
(c) Meeting needs without harming the future
(d) None
- xiii. What are the Sustainable Development Goals (SDGs)?
(a) 10 goals by UN
(b) 17 goals by UN
(c) 20 goals by WHO
(d) None

- xiv. Which SDG is about quality education?
- (a) Goal 3
 - (b) Goal 4
 - (c) Goal 5
 - (d) None
- xv. What is one way to reduce waste?
- (a) Reuse items
 - (b) Throw everything
 - (c) Buy more
 - (d) None
- xvi. Why are renewable resources important?
- (a) They never run out
 - (b) They're cheap
 - (c) They're easy to use
 - (d) None
2. **Answer any 3 out of given 4 Case-Based-Questions. (1 x 3 = 3 marks)**
- i. **Case:** Our school has a 'Save Water' campaign. Why is this important for sustainability?
- (a) To waste water
 - (b) To save money
 - (c) To ensure water for future and reduce waste
 - (d) None of the above
- ii. **Case:** Mani's school is planning to set up a garden. Some students want to use plastic pots, while others suggest using biodegradable pots. How does this help sustainability?
- (a) Increases air pollution
 - (b) Saves fuel and reduces pollution
 - (c) Wastes time
 - (d) None of the above
- iii. **Case:** Google Translate helps translate languages instantly. Which AI domain is being used here?
- (a) Computer Vision
 - (b) NLP (Natural Language Processing)
 - (c) Robotics
 - (d) None of the above
- iv. **Case:** A company analyzes customer feedback to improve products. How is statistical data helping here?
- (a) By predicting sales
 - (b) By understanding customer preferences
 - (c) By designing products
 - (d) None of the above

- 3. Fill in the blanks any 5 out of given 6 questions. (1 x 5 = 5 Marks)**
- The AI domain that helps machines understand human language is _____.
 - Collecting data on student performance is an example of _____ domain.
 - Meeting needs without harming the future is called _____.
 - Sustainable practices help reduce _____ and pollution.
 - SDG 7 aims to provide affordable and _____ energy for all.
 - Statistical data is used in _____ to understand market trends.
- 4. Answer any 5 questions out of the given 6 questions. (1 x 5 = 5 Marks)**
- Statistical data is not useful in decision-making. (True/False)
 - Chatbots use NLP to answer customer queries. (True/False)
 - AI can fully replace human intelligence. (True/False)
 - Virtual assistants like Siri use NLP. (True/False)
 - Sustainability means using resources quickly. (True/False)
 - SDG 13 focuses on climate action. (True/False)

SECTION-B: Short answer type questions. (10 Marks)

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

- Can machines understand our language?
- Why is Statistical Data important?
- What are the three main domains of AI depending on the types of data?
- What are the applications of NLP around us?
- How can we promote sustainability at home?
- Why are SDGs important?

SECTION-C: Subjective type questions. (12 Marks)

Answer any 3 out of the given 4 questions. (4 x 3 = 12 marks)

- Explain some applications of NLP in daily life?
- What is statistical data? Describe some applications of computer vision in real life.
- What are some areas where AI is advancing? What do you know about AI ethics and bias?
- What are Sustainable Development Goals (SDGs)? Explain their purpose.

(End)