# केन्द्रीय विद्यालय संगठन, कोलकाता
# KENDRIYA VIDYALAYA SANGATHAN, KOLKATA
### कृत्रिम बुद्धिमत्ता
## ARTIFICIAL INTELLIGENCE
### सत्र समाप्ति परीक्षा/ SESSION ENDING EXAMINATION
#### सत्र/ SESSION 2025-26

कक्षा:/ CLASS: छठी/ VI        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:**

*1.* 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.*

*2.* 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*

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## SECTION-A:  Answer the following questions.                    (28 Marks)

## 1. Answer any 15 out of given 16 questions.          (1 x 15 = 15 marks)

i.    AI is different from automation because AI can...
   (a) Follow rules
   (b) Learn and adapt
   (c) Perform tasks faster
   (d) Use computers

ii.    Which is an AI application?
   (a) Calculator
   (b) Chatbot
   (c) Notepad
   (d) Paint

iii.    AI is used in...
   (a) Healthcare
   (b) Finance
   (c) Both (a) and (b)
   (d) None

iv.    Virtual assistants like Siri use...
   (a) AI
   (b) Automation
   (c) Robotics
   (d) IoT

v.    Netflix recommendations use...
   (a) AI
   (b) Manual work
   (c) Random picks
   (d) None

vi. Type of AI for specific task (single task) ?
   (a) General AI
   (b) Super AI                                         **P.T.O**
   (c) Narrow AI
   (d) Basic AI

vii. AI is used in self-driving...
   (a) Cars
   (b) Bikes
   (c) Trains
   (d) All

viii. AI is like a...
   (a) Robot
   (b) Human brain
   (c) Computer
   (d) Machine

ix. Automation follows...
   (a) Rules
   (b) Patterns
   (c) Learning
   (d) Adaptation

x. AI learns from...
   (a) Data
   (b) Rules
   (c) Humans
   (d) Machines

xi. General AI means AI that...
   (a) Does specific tasks
   (b) Matches human intelligence
   (c) Exceeds human intelligence
   (d) Is basic

xii. AI can...
   (a) Understand language
   (b) Recognize images
   (c) Both (a) and (b)
   (d) Neither

xiii. Computer Vision is like giving machines...
   (a) Eyes
   (b) Ears
   (c) Brain
   (d) Hands

xiv. Face unlock feature in phones uses...
(a) NLP
(b) Computer Vision
(c) Robotics
(d) None

xv. Which domain helps machines understand human language?
(a) NLP
(b) Computer Vision
(c) Robotics
(d) None

xvi. NLP stands for...
(a) Natural Language Processing
(b) Neural Language Processing
(c) Normal Language Processing
(d) None

2. **Answer any 3 out of given 4 Case-Based-Questions.      (1 x 3 = 3 marks)**

i. **Case:** Alexa understands your voice and plays your favourite song. What is this an example of?
(a) Automation
(b) AI
(c) Robotics
(d) Computer

ii. **Case:** A self-driving car recognizes road signs and drives safely. Which AI domain is used?
(a) NLP
(b) Computer Vision
(c) Robotics
(d) None

iii. **Case:** A chatbot answers your questions on a website. What AI domain is it using?
(a) NLP
(b) Computer Vision
(c) Robotics
(d) Automation

iv. **Case:** A robot in a factory follows fixed rules to assemble a car. Is this AI?
(a) Yes
(b) No
(c) Maybe
(d) Not sure

**3.** **Fill in the blanks any 5 out of given 6 questions.** **(1 x 5 = 5 Marks)**

i. AI stands for _____.

ii. The type of AI that does specific tasks is called _____ AI.

iii. The three main domains of AI are Data Science, Computer Vision, and _____. **P.T.O**

iv. NLP helps machines understand human _____.

v. Machines use _____ to see and understand images.

vi. AI is different from automation because AI can _____ and adapt.

**4.** **Answer any 5 questions out of the given 6 questions.** **(1 x 5= 5 Marks)**

i. AI can only follow fixed rules like automation. (True/False)

ii. Evaluation checks model performance. (True/False)

iii. Data acquisition is the first stage. (True/False)

iv. NLP is used in chatbots. (True/False)

v. Computer Vision gives machines the ability to see. (True/False)

vi. Face recognition is a Computer Vision application. (True/False)

**SECTION-B: Short answer type questions** **(10 Marks)**
**Answer any 5 out of the given 6 questions.** **(2 x 5 = 10 marks)**

5. What are the differences between Automation and AI?
6. What are the applications of AI in everyday life?
7. What are the three main domains of AI?
8. What are the applications of Computer Vision around us?
9. What is Artificial Intelligence?
10. Can you name other machines that can work without humans?

**SECTION-C: Subjective type questions** **(12 Marks)**
**Answer any 3 out of the given 4 questions.** **(4 x 3 = 12 marks)**

11. Why is Computer Vision important?
12. How does Computer Vision work?
13. How does NLP work on textual data?
14. What is the relation between human intelligence and artificial intelligence?

**(End)**