



B.K. BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL

MID-APRIL TEST 2026-2027 ARTIFICIAL INTELLIGENCE (417) Set-01

Class: X

Date: 17-04-2026

Admission No.

Time : 1 hr

Max Marks: 25

Roll No. :

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper contain two sections: Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.
4. All questions of a particular section must be attempted in the correct order.
5. **SECTION A - OBJECTIVE TYPE QUESTIONS (07 MARKS):**
 - i. This section has 01 question.
 - ii. Marks allotted are mentioned against question/part.
 - iii. There is no negative marking.
 - iv. Do as per the instructions given.
6. **SECTION B – SUBJECTIVE TYPE QUESTIONS (18 MARKS):**
 - i. This section has 12 questions.
 - ii. A candidate has to do 8 questions.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.

SECTION A: OBJECTIVE TYPE QUESTIONS

Q.(1) Answer any 7 out of the given 10 questions :

(7 x 1 = 7)

- (i) What is the primary purpose of AI project cycle ?
 - (a) To provide a set of random steps for AI development
 - (b) To systematically plan, develop and deploy AI solutions
 - (c) To focus only on the final implementation of AI systems
 - (d) To perform data analysis without a structured plan
- (ii) What is the main goal of the data acquisition stage in AI project ?
 - (a) To collect raw data for analysis and reference
 - (b) To visualise data using statistical methods
 - (c) To test the AI model
 - (d) To deploy the model into production
- (iii) Which of the following is NOT a real-time application of NLP ?
 - (a) Image recognition
 - (b) Chatbots
 - (c) Plagiarism checker
 - (d) Sentiment analysis
- (iv) Which ethical framework emphasises good character traits such as kindness and compassion?
 - (a) Value based ethical framework
 - (b) Virtue based ethical framework
 - (c) Right based ethical framework
 - (d) Utility based ethical framework

- (v) Which W in 4W canvas explores the reason behind solving the problem ?
 (a) What (b) Why (c) Where (d) Who
- (vi) Which of these are examples of positive feedback?
 a. Good work b. You can draw better
 c. Some points are missing d. You need to work with dedication
- (vii) Which of the following is an interpersonal barrier?
 a. Social anxiety c. Not willing to talk
 b. Poor self esteem d. All of these
- (viii) Do not form _____ on culture, religion or geography.
 a. opinions b. stereotypes
 c. beliefs d. assumptions
- (ix) _____ is a word that shows a relationship between a noun and a pronoun in a sentence.
 a. Preposition c. Conjunction
 b. Verb d. Adjective
- (x) Which is a word used to modify or describe a noun or pronoun?
 a. Preposition b. Verb
 c. Conjunction d. Adjective

SECTION B: SUBJECTIVE TYPE QUESTIONS

Answer any 6 out of the given 8 questions:

(6 x 2 = 12)

- Q. (2) What is the AI project cycle? Name all and explain any two.
- Q. (3) “Google Lens is an application of Google that can be used to identify any image by clicking a picture from the real world.” Explain this statement.
- Q. (4) How is the application of computer vision in agricultural monitoring? Explain.
- Q. (5) What is Natural Language Processing?
- Q. (6) What is communication?
- Q. (7) Why feedback is important in communication?
- Q. (8) Write two disadvantage of visual communication.
- Q. (9) Write 7Cs of communication.

Answer any 2 out of the given 4 questions:

(2 x 3 = 6)

- Q.(10) Differentiate between Specific and Non-specific feedback.
- Q.(11) Write any three barriers of effective communication.
- Q.(12) Explain 4ws canvas.
- Q.(13) Explain a) Modelling b) Problem Scoping

***** ALL THE BEST *****