



B.K. BIRLA CENTRE FOR EDUCATION

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

ANNUAL EXAMINATION 2025-26 ARTIFICIAL INTELLIGENCE (SET 01)

Class: VI

Date: 18-03-2026

Name:

Duration: 2 hrs.

Max Marks: 50

Exam No. :

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper consists of 19 questions in two sections: Section A & Section B.
3. Section A has Objective type questions (MCQ, Fill in the blanks, Match the following) 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 (24 MARKS):**
 - i. This section has 03 questions.
 - ii. Marks allotted are mentioned against each question/part.
 - iii. There is no negative marking.
 - iv. Do as per the instructions given.
6. **SECTION B – SUBJECTIVE TYPE QUESTIONS (26 MARKS):**
 - i. This section has 16 questions.
 - ii. A candidate has to do 11 questions.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.

SECTION A: OBJECTIVE TYPE QUESTIONS

I. Multiple Choice Questions: (Answer any twelve)

(12 X 1 = 12)

- (1) An algorithm is a set of step by step
 - (a) Skills
 - (b) Formulae
 - (c) Instructions
 - (d) All of these
- (2) In a flowchart, a calculation (process) is represented by
 - (a) A rectangle
 - (b) A rhombus
 - (c) A parallelogram
 - (d) A circle
- (3) Which one of the following is not a characteristics of a good algorithm ?
 - (a) Finiteness
 - (b) Effectiveness
 - (c) Ambiguity
 - (d) Feasibility
- (4) Which of the following animals is known to be able to mimic human words ?
 - (a) Dolphins
 - (b) Tiger
 - (c) Dogs
 - (d) Parrots
- (5) Which of the following is not a sign of Intelligence ?
 - (a) Solve problems
 - (b) Creating a poem
 - (c) Writing an original story
 - (d) Taking bath
- (6) is your on the go encyclopedia.
 - (a) Amazon Echo
 - (b) Netflix
 - (c) Amazon Prime
 - (d) Amazon Go

- (7) AI assistant by Google, which can place human like calls to make appointments is called
 (a) Google Cardboard (b) Google Chrome
 (c) Google Duplex (d) Google Remnant
- (8) What is the function of the “when green flag clicked” command block ?
 (a) Points sprite in the specified direction (b) If condition is true, runs the blocks inside
 (c) Runs the script (d) None of these
- (9) A code block that controls sprite placement, direction, rotation and movement is known as a block.
 (a) Sensing (b) Motion (c) Looks (d) Control
- (10) How do you create code in Scratch ?
 (a) Snap block together (b) Write code in the editor
 (c) Draw blocks in the editor (d) Copy and paste code
- (11) In Scratch which blocks are blue ?
 (a) Motion (b) Looks (c) Control (d) Sensing
- (12) opens web browsers in such a way that it will not track your activities on the internet.
 (a) Proxy (b) VPN (c) Incognito Browsing (d) Safe browsing
- (13) is a type of cybercrime that uses the internet and technology to harass or stalk a person.
 (a) Cyber Harassing (b) Cyber Targeting
 (c) Cyberstalking (d) Cyberbullying
- (14) What are the advantages of robots ?
 (a) Saving companies’ time (b) Increased profitability
 (c) Higher quality (d) All of the above
- (15) Robot is a
 (a) Multi functional manipulator (b) Programmable
 (c) Both a and b (d) None of these

II. State True/False : (Answer any eight)

(8 X 1 = 8)

- (1) When you write an algorithm the order of the instructions is very important.
 (2) In a flowchart, Kite/diamond shaped box is used for output.
 (3) Intelligence is the ability to learn and understand, to solve problems and to make decisions.
 (4) Scratch is a programming language ?
 (5) In Scratch, Control blocks are yellow.
 (6) Cyberstalking is considered as an extension of cyberbullying.
 (7) Ransomware is a cyber attack which redirects the traffic of the website to a false website which looks similar to the original one.
 (8) The short form of malicious software is Maliware.
 (9) Robots don’t get tired or require a break.
 (10) Does a robot come from the Czech word “robota” which means “forced work or labor” ?

III. Fill in the blanks. (Answer any four)

(4 X 1 = 4)

- (1) is an AR device while Oculus Rift is a VR system.
 (2) Dressed is a closet app for the iphone.
 (3)helps you try out a shade of paint for your room before you buy.
 (4) app that lets you see how a piece of furniture will look and fit in your space.
 (5) Snapchat are actually augmented reality (AR) experiences that superimpose 2D and 3D artwork onto a user’s face or surroundings.

SECTION B: SUBJECTIVE TYPE QUESTIONS

IV. Short Answer Type Questions: (Answer any seven)

(7 X 2 = 14)

- (1) Explain an algorithm using an example.
- (2) Differentiate between an Algorithm and Flowchart.
- (3) Give any four examples of display of intelligence in the animal world i.e. apart from humans.
- (4) Define : (a) Human Intelligence (b) Artificial Intelligence
- (5) Write and explain any two examples of the use of Artificial Intelligence in ‘Smart Homes’.
- (6) Explain block coding.
- (7) Explain what the Looks block in Scratch does ?
- (8) What is a cyber crime ? Explain at least two types of cybercrimes.
- (9) What is a Robot ? Write and explain any two characteristics of a Robot.
- (10) Define : (a) Augmented Reality (b) Virtual Reality

V. Long Answer Type Questions : (Answer any four)

(4 X 3 = 12)

- (1) Write an algorithm and draw flowchart to find and display area and perimeter of Square..
- (2) Write and explain any three features of Intelligence
- (3) Describe Amazon Echo.
- (4) Describe the three major commands in the Events Block.
- (5) Different security measures should be followed to be safe from the dreadful act of cyber crime.
Mention any six security measures.
- (6) Differentiate between a Robot and a Machine.

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