



B.K. BIRLA CENTRE FOR EDUCATION

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

ANNUAL EXAMINATION: 2025-26

Set -01

SUB: ARTIFICIAL INTELLIGENCE

Class : VIII

Date : 16-03-2026

Admission No.:

Duration : 2 Hrs

Max. Marks : 50

Roll No.:

General Instructions:

Try to attempt all questions as per given order.

All questions are compulsory.

The Question Paper is divided into three sections Section A to C.

- Section A : Do as per the instructions given.
- Section B has 8 questions attempt 7 and carry 2 marks each.
- Section C has 6 questions attempt 4 and carry 3 marks each.

SECTION A

Q.(1) Multiple Choice Questions: (Any 6)

(6 x 1 = 6)

1. What is object detection?

- A. Removing objects from photos B. Finding and identifying objects in images
C. Drawing objects D. Colouring images

2. Computer Vision is mainly related to which type of data?

- A. Audio B. Text C. Images and Videos D. Numbers only

3. Sentiment analysis is used to:

- A. Edit photos B. Detect emotions in text C. Record videos D. Print documents

4. The US spacecraft Mariner 2 made history on Dec 14,1962 when it successfully completed a flyby of:

- A. Mars B. Sun C. Mercury D. Venus

5. Which of the following is an example of a humanoid robot?

- A. Roomba B. Pepper C. Alexa D. Tesla

6. Which attribute specifies the URL of the linked resource?

- A. link B. href C. src D. alt

7. What does concatenation mean in Python?

- A. Dividing data B. Joining two values together
C. Deleting data D. Printing data

8. What will be the output?

```
name = "Riya"
```

```
print("Hello " + name)
```

- A. Hello Riya B. Hello+Riya C. Riya Hello D. Error

Q.(2) Fill in the blanks: (Any 6)

(6 x 1 = 6)

(quotes, human, else, cozmo. <autoplay>, script, NLP, <embed>)

1. There is no _____ in a self-driven car.

2. _____ is a branch of AI that deals with the interaction between computers and humans.
3. _____ bots works around a script which is programmed in them.
4. _____ is an artificially intelligence robot toy with a strong personality and range of emotions.
5. The _____ tag defines a container for external content.
6. _____ attribute specifies whether to automatically start playing the audio and video.
7. Strings are written inside _____.
8. The block that runs when condition is False is _____.

Q.(3) Match the following:

(6 x 1 = 6)

Column A	Column B
1. Computer Vision	1. Vacuum cleaner robot
2. Sentiment Analysis	2. Humanoid robot
3. Roomba	3. Anchor Tag
4. ASIMO	4. Second Domain
5. <a>	5. NLP
6. abs ()	6. Loop
7. While	7. Returns absolute value

Q.(4) State True or False:

(6 x 1 = 6)

1. Face recognition is an example of Computer Vision.
2. NLP is used in spam email detection.
3. Vacuum cleaning robots are humanoid robots.
4. else runs when the if condition is False.
5. break stops the loop immediately.
6. while False: loop will run.

SECTION B

Q.(3) Answer any 7 out of the given 8 questions

(7 x 2 = 14)

1. Differentiate between RGB and Greyscale image.
2. What is Script bot?
3. Robots for education are intended for use in classrooms and other learning environments. Justify the statement by giving a few points.
4. What is a humanoid robot?
5. Differentiate between <a> as an anchor and <a> as a link.
6. Correct the code:
 - a. <a www.google.com>Google
 - b. <audio control>
<source src="song.mp3">
</audio>
7. What is String?
8. What is Selection statements?

SECTION C

Q.(4) Answer any 4 out of the given 6 questions

(3 x 4 = 12)

1. Explain : a. Google translate app b. Face lock app
2. Finding life on extra-terrestrial worlds may one day be made possible by artificial intelligence. How are robots helping in this?
3. State some identification rules of an industrial robot.
4. Explain the attribute: a. HREF b. Target
5. Explain the concept of traversing a string in Python with example.
6. Write a program to print tables of a given number.

*** All the best !!! ***