



B.K. BIRLA CENTRE FOR EDUCATION

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

ANNUAL EXAMINATION : 2025-26

Set -02

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. Face recognition in mobile phones is an example of:

A. Computer Vision B. Word Processing C. Spreadsheet D. Painting

2. In Computer Vision, a picture is made up of tiny dots called:

A. Pixels B. Files C. Codes D. Signals

3. Which of the following is an example of NLP?

A. Face recognition B. Google Translate C. Barcode scanner D. Calculator

4. Among the top producers of weeding robots worldwide are Nexus and Naio Technologies, both from:

A. Spain B. USA C. Japan D. France

5. Which of the following is not a feature of humanoid robots?

A. Artificial intelligence B. Facial Recognition
C. Speech recognition D. Four legs

6. Which colour is typically used to indicate a visited hyperlink?

A. Blue B. Red C. Green D. Purple

7. Which operator is used for string concatenation in Python?

A. * B. + C. / D. =

8. What will be the output?

```
a = "AI "
```

```
b = "Class"
```

```
print(a + b)
```

A. AIClass B. AI_Class C. AI+Class D. Error

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

(6 x 1 = 6)

(one million, <a>, humanoid , wakamaru, decision, sentiment, continue, src)

1. A megapixel mean _____ pixels.

2. _____ analysis is the interpretation and classification of emotions.

3. The _____ has been called an “ultra compact assistant robot” due to its small size.
4. _____ robots are designed to resemble human beings in form and function.
5. The ____ tag is used to create hyperlink.
6. _____ attribute specifies the source of audio file.
7. The statement used to skip one loop turn is _____.
8. if statements are used for _____ making.

Q.(4) State True or False: (Any 6)

(6 x 1 = 5)

1. Computer Vision works only with text data.
2. Auto-correct in smartphones uses NLP.
3. Humanoid robots can use speech recognition.
4. Python uses indentation to define blocks of code.
5. if statement can be written without indentation.
6. range(5) gives numbers from 1 to 4.

Q.(3) Match the following: (Any 6)

(6 x 1 = 6)

Column A	Column B
1. Inner eye	1. NLP
2. Email Filter	2. Intelligent robot toy
3. ABB YuMi	3. Source attribute
4. src	4. Industrial robot
5. Cozmo	5. Computer Vision
6. Jump Statement	6. Returns the power of given number
7. Pow()	7. Break Statement

SECTION B

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

(7 x 2 = 14)

1. Differentiate between Pixel and Resolution.
2. What is Smart bot?
3. Farmers in India can profit from using agricultural robots in a number of ways. Mention a few.
4. Give any two characteristics of a humanoid robot.
5. Distinguish between href and name attributes of <a> tag with examples.
6. Correct the code:
 - a. Google
 - b. <audio controls>
<source="song.mp3">
</audio>
7. How many types of indexing are available in Python Strings?
8. What are iterative statements?

SECTION C

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

(3 x 4 = 12)

1. Explain: a. Google lens b. Face filter
2. Robots for education are intended for use in classrooms and other learning environments. Justify the statement by giving a few points.
3. State some identification rules of an industrial robot.
4. Explain the attribute: a. Name b. autoplay
5. Explain the concept of traversing a string in Python with example.
6. Write a program to accept two no and print the largest number.

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