



# B.K. BIRLA CENTRE FOR EDUCATION

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



## PERIODIC TEST I 2026-27

### ARTIFICIAL INTELLIGENCE – SET – 2

Class : VII

Date :

Admission No.:

Duration: 1 Hrs

Max. Marks : 25

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 has 11 questions attempt 11 and carry 1 mark each.
- Section B has 4 questions attempt 4 and carry 2 marks each.
- Section C has 2 questions attempt 2 and carry 3 marks each.

#### **SECTION – A**

**Q1. Choose the correct answer from the given options**

(6x1 =6)

A. What is the main goal of Natural Language Processing?

- To make computers see images
- To enable computers to understand and use human language
- To store large amounts of data
- To generate random numbers

B. Siri, Alexa, and Google Assistant are examples of:

- Script-bots
- Smart Assistants
- Email Filters
- Translation Bots

C. Which of the following best describes Sentiment Analysis?

- Converting speech to text
- Identifying and classifying emotions in text (positive, negative, neutral)
- Translating one language to another
- Guessing the next word

- D. Data that has predefined types and formats, and is highly organised, is called:  
a) Unstructured Data    b) Sound Data    c) Structured Data    d) Passive Data
- E. Which tool is used to check for grammar errors and improve writing using NLP?  
a) Roomba                      b) Eliza                      c) Grammarly                      d) Google Maps
- F. A bar chart is best used to:  
a) Show how sound travels  
b) Compare different categories using rectangular bars  
c) Store text data in a computer  
d) Record browsing history

**Q2. Fill in the blanks**

(5x1 =5)

- A. \_\_\_\_\_ is a computer program that simulates a conversation with a user using natural language.
- B. Smart-bots are flexible and powerful because they learn with more \_\_\_\_\_.
- C. \_\_\_\_\_ Data footprints are collected automatically through browsing history, IP address, and device information.
- D. \_\_\_\_\_ is the first domain of AI.
- E. Computers understand the language of \_\_\_\_\_.

**SECTION – B:**

**Short Answer Questions**

(2x4 =8)

- Q3.** What is data? Mention any two types of data.
- Q4.** What is the difference between a Script-bot and a Smart-bot? (Give two points each)
- Q5.** What do you mean by digital footprints? Name its types.
- Q6.** What is Sentiment Analysis? Give one real-world example of how it is used.

**SECTION – C:**

**Long Answer Questions**

(3x2 =6 Marks)

- Q7.** Explain how NLP works in three simple steps. Also name any two applications of NLP.
- Q8.** Explain any 3 uses of statistical data in real life with examples.

\*\*\* END OF QUESTION PAPER – SET 2- ALL THE BEST \*\*