



B.K. BIRLA CENTRE FOR EDUCATION

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



PERIODIC TEST II - 2025-26

ARTIFICIAL INTELLIGENCE (843)

Class : XI (Subject-5)
Date :10/11/25
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 10 questions attempt only 7 and carry 1 mark each.
- Section B has 10 questions attempt only 6 and carry 2 marks each.
- Section C has 4 questions attempt only 2 and carry 3 marks each.

Section-A

- Which of the following is not one of the five different stages of design thinking? 1
a. Empathise b. Ideate c. Evaluate d. Prototype
- What is the most important part of Empathy Map? 1
a. Says b. Think c. Does d. User
- What is crucial for a successful problem-defining process? 1
a. Basic analysis and evaluation b. Data cleansing
c. Defining the features d. AI modelling
- Which of the following is not a primary data source? 1
a. Survey b. Interview c. Observation d. Published report
- Which measure of central tendency is most affected by extreme values? 1
a. Mean b. Median c. Mode d. All are equally affected
- Which function is used to set the size of the plot in Matplotlib? 1
a. title () b. xlabel () c. figure () d. show ()
- Which of the following is an example of a virtual assistant powered by NLP? 1
a. Google Search b. Microsoft word c. Siri d. Photoshop
- Which of the following is required by machines to understand human language? 1
a. NLP b. Neural network c. Chatbot d. Data parsing
- What field of study is crucial for understanding and improving human language communication? 1
a. Mathematics b. Science c. Linguistics d. None of these

