



B.K. BIRLA CENTRE FOR EDUCATION

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

PERIODIC TEST 1 2026-27 ARTIFICIAL INTELLIGENCE (843) – Set 01

Class : XII A/B (SUBJECT-05)

Date :

Admission No.:

Duration : 1 Hr

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.	
	<ul style="list-style-type: none">Section A has 10 questions and attempt any 7, carry 1 mark each.Section B has 10 questions and attempt any 6, carry 2 marks each.Section C has 4 questions and attempt any 2, carry 3 marks each.	
Section-A		
1.	Which platform allows users to write and execute Python code directly in a web browser without installation? a. Jupyter Notebook b. Visual Studio Code c. Google Colab d. Python IDLE	1
2.	What does NumPy stand for? a. Number Python b. Numerical Python c. Numeric Programming d. Number Processing	1
3.	Which of the following is NOT a phase of active listening? a. Evaluating b. Receiving c. Understanding d. Post	1
4.	Which of the following is a barrier to active listening? a. Eye contact b. Being preoccupied c. Gestures d. Avoiding distractions	1
5.	_____ is crucial in our understanding of ourselves, our relationships with others, and our understanding of the world around us. a. Goal-Oriented b. Pre-planning c. Self-Awareness d. Positive attitude	1
6.	Which of the following is NOT a basic personality trait characteristic? a. Neuroticism b. Openness c. Agreeableness d. Obsessive-compulsive personality	1
7.	What is the value of the following formula? =SUM(10,20,30,40) a. 110 b. 100 c. 40 d. Error	1

8.	_____ is a collection of numerous rows and columns. a. Worksheet b. Slide c. Workbook d. Sidebar	1
9.	Which of the following is an example of Diagnostic Analytics? a. Calculating the average marks of students. b. Identifying why a mobile phone company's sales dropped. c. Forecasting next year's sales based on past trends. d. Recommending solutions to improve marketing.	1
10.	Which of the following techniques is used in Predictive Analytics? a. Root Cause Analysis b. Hypothesis Testing c. Regression d. Mean, Median, and Mode	1
Section - B		
11.	What is array in python?	2
12.	What is scalar value?	2
13.	What is communication?	2
14.	Write two characteristics of active listeners.	2
15.	Explain SMART goal.	2
16.	What is stress?	2
17.	What is Workbook?	2
18.	What is function?	2
19.	What is Data collection?	2
20.	What is hypothesis testing?	2
Section - C		
21.	Define the following attribute of Pandas: a. df.shape b. df.head(n) c. df.tail(n)	3
22.	Write and explain any three barriers of Active listener.	3
23.	Explain any three modules of the Data Science methodology.	3
24.	Write any three advantages of Spreadsheet software.	3
***** BEST OF LUCK *****		