



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 02

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.	Why is managing rows and columns in a Pandas DataFrame important? a. It ensures data is stored in alphabetical order. b. It helps in efficient selection, modification, addition, and deletion of data. c. It automatically sorts the data by value. d. It restricts changes to the dataset.	1
2.	Which Pandas method can be used to change the values of an entire row by assigning new values? a. iloc[] b. loc[] c. update() d. replace()	1
3.	MINTS is a simple set of rules that assist you in correctly _____ the words. a. Capitalising b. Punctuating c. Joining d. Interjecting	1
4.	Which of the following is NOT a rule for writing a paragraph? a. Starts on a new line b. First line is indented c. Has multiple unrelated themes d. Focuses on a main idea	1
5.	_____ and positive thinking can assist us in overcoming our challenges and taking on new objectives. a. Personality trait b. Adaptability c. Motivation d. Stress	1
6.	A _____ is a style of thinking, feeling, and acting that deviates from social standards and produces long-term pain. a. Personality disorder b. Motivation c. Stress d. Depression	1
7.	What is the keyboard shortcut of Paste? a. Ctr + P b. Ctrl + C c. Ctrl + V d. Ctrl + X	1

8.	Which of the following does NOT exist in a slide layout in Impress? a. Title b. Animation c. Image d. Text Box	1
9.	Which of the following is NOT a common method of data collection? a. Forms and Questionnaires b. Focus Groups c. Social Media Monitoring d. Fictional Storytelling	1
10.	Which of the following is an example of a secondary data source? a. Focus Groups b. Experiments and Observations c. Books, Journals, and Research Papers d. Oral Histories	1
Section - B		
11.	What is slicing in Numpy?	2
12.	Explain Positive and Negative indexing.	2
13.	What do you understand by feedback?	2
14.	Write two factors that influence active listening.	2
15.	What is personality disorder?	2
16.	Why is Self-management is important?	2
17.	What is Slide?	2
18.	What is cell address?	2
19.	What is Primary data source?	2
20.	What is root cause analysis?	2
Section - C		
21.	Define the following attribute of Pandas: a. df.shape b. df.head(n) c. df.tail(n)	3
22.	Write all the phases of Active listening and explain any two.	3
23.	Why is the Data understanding stage important in data analysis?	3
24.	Write any three advantages of Presentation software.	3
***** BEST OF LUCK *****		