



B.K. BIRLA CENTRE FOR EDUCATION

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

MID-APRIL EXAMINATION 2026-27 ARTIFICIAL INTELLIGENCE (843) – Set 01

Class : XII A/B/C (SUBJECT-05)

Date : 18-04-2026

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.

- Section A has 7 questions and carry 1 mark each.
- Section B has 6 questions and carry 2 marks each.
- Section C has 2 questions and carry 3 marks each.

Section-A

1. Which platform allows users to write and execute Python code directly in a web browser without installation? 1
a. Jupyter Notebook b. Visual Studio Code
c. Google Colab d. Python IDLE
2. What does NumPy stand for? 1
a. Number Python b. Numerical Python
c. Numeric Programming d. Number Processing
3. Which type of NumPy array represents a two-dimensional table of values? 1
a. Rank 0 array b. Rank 1 array
c. Rank 2 array d. Rank 3 array
4. Which one of the following aptly defines a sentence? 1
a. A combination of words
b. A group of similar words
c. A combination of words that conveys a complete meaning
d. None of these
5. Assertion (A): Active listening is an art that combines a desire to understand with the ability to support and empathise with the speaker. 1
Reason (R): Active listening can have an impact on your job effectiveness.
a. Both A and R are true and R is the correct explanation of A.
b. Both A and R are true but R is not the correct explanation of A.
c. A is true but R is false.
d. A is false but R is true.

6. "When will aunt Suman visit us?" is a. 1
a. Declarative Sentence b. Imperative Sentence
c. Exclamatory Sentence d. Interrogative Sentence
7. What does P in 'RESPECT for active listening' stand for? 1
a. Popularity b. Pin your ears back
c. Pay attention d. Pay money to the speaker

Section - B

8. What is communication? 2
9. What is feedback? 2
10. What is complex sentence? 2
11. What is Panda Series? 2
12. What are the two types of indexing used in Numpy? 2
13. What is array slicing in Numpy? 2

Section - C

14. Define the following attribute of Pandas: 3
a. df.shape
b. df.head(n)
c. df.tail(n)
15. Explain any three characteristics of Active listener. 3

******* BEST OF LUCK *******