Progressive Education Society's

Modern College of Arts, Science & Commerce Ganeshkhind, Pune – 16, NEP 2020 (Autonomous)

End Semester Examination: October 2024

***Total No. of Questions**: 4/20* ***Total No. of Pages**:2*

Second Year BBA (CA)
BBA23102: BIG DATA ANALYTICS
(Semester III)

Program: BBA (Computer Application) **Credits:** 2
Program Specific: BBACA07 **Time:** 2 Hours
Course Type: Major (Mandatory) **Max. Marks:** 30
Paper: 2 **SET:** A

Instructions to the candidate:

1) *All questions are compulsory.*
2) *Figures to the right indicate full marks.*
3) *Draw a well labelled diagram wherever necessary.*

SECTION: A

Q1) Answer the following **[5 X 1= 5M]**

1) Tuples are shown by_____
   a) { } b) [ ] c) ( ) d) < >

2) Which of the following is incorrect variable name in Python?
   a) Variable_1 b) variable1 c) 1variable d)_variable

3) _____is an amazing visualization library in Python for 2D plots of arrays.
   a) Scilearn b) matplotlib c) matlab d) Scilab

4)_____ digital data is based on Relational database table.

   a) Structured b) Semi-Structured c) Unstructured d) Semi-Unstructured

5) Support Vector Machines (SVMs) are well known_____ classification algorithms that separate different categories of data.

   a) semi-supervised b) unsupervised c) supervised d) semi-unsupervised

SECTION: B

Q2) Attempt the following (Any 5) **[5 X 1=5M]**

1) Enlist any 2 data types in python.
2) What is Big Data?
3) What is supervised machine learning?
4) Define string slice with syntax?
5) What is Regression Analysis?
6) What is population?
7) Define market basket analysis.

SECTION: C

Q3) Answer the following (any 4) **[4 X 4 = 16M]**

1) Explain 5 V's of Big Data in detail.
2) Differentiate between Structured Data and Semi structured Data.
3) Explain probability in detail.
4) Explain the application of big Data.
5) What do you mean by data visualization? Explain with types.
6) Which are different types of Analytics?

SECTION: D

Q4) Answer the following (any 1) **[1 X 4= 4M]**

1) Write a Python code to find area of circle.
2) Write a Program to sort number array using vector.

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