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**PRESIDENCY UNIVERSITY
BENGALURU**

SET A

**SCHOOL OF COMMERCE
END TERM EXAMINATION - JAN 2024**

Semester : Semester III - 2022

Course Code : BCH3001

Course Name : Application of Business Analytics

Program : B.Com. Honors

Date : 11-JAN-2024

Time : 1:00 PM - 4:00 PM

Max Marks : 100

Weightage : 50%

Instructions:

- (i) Read all questions carefully and answer accordingly.
 - (ii) Question paper consists of 3 parts.
 - (iii) Scientific and non-programmable calculator are permitted.
 - (iv) Do not write any information on the question paper other than Roll Number.
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PART A

ANSWER ALL THE QUESTIONS

5 X 2M = 10M

1. Write a Python program that accepts a user's input, multiples 2 to it and prints the result value.
(CO1) [Knowledge]
2. Explain the concept of class and object in the context of Python.
(CO1) [Knowledge]
3. What is for loop in Python? Write a program using For loop.
(CO2) [Knowledge]
4. Write if-else statement python syntax.
(CO2) [Knowledge]
5. Explain, why data handling important in Machine learning?
(CO2) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS

5 X 10M = 50M

6. Specify Reasons for defining functions, Function arguments.
(CO2) [Comprehension]

7. Tell why Data cleaning and Treatment is required? (CO3) [Comprehension]
8. Specify Descriptive statistics in Python with examples. (CO3) [Comprehension]
9. Create class by consider the following
- 1. Name of the class is employee
 - 2. Specify two attributes and objects
- (CO3) [Comprehension]
10. Explain Recursive algorithm with example. (CO3) [Comprehension]

PART C

ANSWER ALL THE QUESTIONS

2 X 20M = 40M

11. Explain Selection Sort with example (CO4) [Application]
12. Write a python program for the following control statements
- a) While loop and Nested if statements
 - b) Splitting and joining strings
- (CO4) [Application]