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**PRESIDENCY UNIVERSITY
BENGALURU**

**SCHOOL OF COMMERCE
MID TERM EXAMINATION - NOV 2023**

Semester : Semester III - 2022

Course Code : BCH3001

Course Name : Sem III - BCH3001 - Application of Business Analytics

Program : BCH

Date : 6-NOV-2023

Time : 2:00PM - 3:30PM

Max Marks : 50

Weightage : 25%

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.

PART A

ANSWER ALL THE QUESTIONS

(5 X 2 = 10M)

1. What are Python Expressions?
(CO1) [Knowledge]
2. Write a python program to calculate the lcm of 2 nos using the math module.
(CO1) [Knowledge]
3. What is input function in Python? Explain with an example.
(CO1) [Knowledge]
4. What is for loop in Python? Write a program using For loop.
(CO2) [Knowledge]
5. Write a Python function to calculate the square of a number. Call the function to verify the result.
(CO2) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS

(2 X 10 = 20M)

6. Answer the following questions in the context of a Python List. Write a program for each question.
 - a) How do you create an empty list in Python?
 - b) How to add an element to the end of a list?
 - c) How do you remove an element from a list by its value?(CO1) [Comprehension]
7. What are the different boolean operators in Python? Explain how boolean expressions are evaluated with appropriate example and program.
(CO2) [Comprehension]

PART C

ANSWER THE FOLLOWING QUESTION

(1 X 20 = 20M)

8. What is the primary purpose of user-defined functions in Python? Write a function to take the length and width of a rectangle and return the area.

(CO2) [Application]