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PRESIDENCY UNIVERSITY BENGALURU

**SET-B**

SCHOOL OF COMMERCE

**END TERM EXAMINATION – MAY/JUNE- 2024**

**Semester :** Semester II -2023

**Course Code :** BCH3001

**Course Name :** - Application of Business Analytics

**Program :** B.Com. Honors

**Date :** June 11, 2024

**Time :** 9:30 AM - 12:30 PM

**Max Marks :** 100

**Weightage :** 50%

**Instructions:**

1. *Read all questions carefully and answer accordingly.*
2. *Question paper consists of 3 parts.*
3. *Scientific and non-programmable calculator are permitted.*
4. *Do not write any information on the question paper other than Roll Number.*

**PART - A**

**ANSWER ANY 5 QUESTIONS 5Q X 2M = 10M**

* 1. Define mean, median and mode.
  2. Define Split method with an example
  3. Define Merge Sort
  4. 1. Write a program to find the factorial of a number.
  5. 1. Define Float () function.
  6. 1.Write down any two packages in Python
  7. Define Finally block in python with example

(CO3) [Knowledge] (CO4) [Knowledge] (CO5) [Knowledge]

(CO2) [Knowledge]

(CO1) [Knowledge] (CO3) [Knowledge] (CO4) [Knowledge]

**PART - B**

**ANSWER ANY 5 QUESTIONS 5Q X 10M = 50M**

* 1. Explain data handling in detail with five steps

(CO3) [Comprehension]

* 1. Explain memory allocation and garbage collection with memory management tips

(CO4) [Comprehension]

* 1. Illustrate while and for loop with examples

(CO2) [Comprehension]

* 1. Explain Append ,Extend ,Remove, Insert, list() constructor in detail with examples

(CO1) [Comprehension]

* 1. Explain Recursive math function
  2. Explain class customization
  3. Write down the steps of hypothesis testing with example

(CO5) [Comprehension] (CO4) [Comprehension] (CO3) [Comprehension]

**PART - C**

**ANSWER ANY 2 QUESTIONS 2Q X 20M = 40M**

* 1. Explain Classes and objects in Python and define a class and show an example.
  2. Explain graphs and plots in python

(CO4) [Application] (CO3) [Application]

* 1. What are the break and continue statements in Python loops? Explain their usage with examples

(CO2) [Application]