



ST. JOSEPH'S UNIVERSITY, BENGALURU -27
M.Sc (BIG DATA ANALYTICS) – I SEMESTER
SEMESTER EXAMINATION: OCTOBER 2022
(Examination conducted in December 2022)
BDA1621 – PYTHON PROGRAMMING

Registration Number:

Date & session:

Time: 2 Hours

Max Marks: 50

This paper contains TWO printed pages and THREE parts

PART- A

Answer ALL questions

5x1=5

1. what are identifiers in python?
2. write the syntax and use of range () function.
3. Define function. Give example.
4. How to create a destructor in python? Give example.
5. Give the syntax for Numpy Array.

PART- B

Answer any FIVE questions

5X3=15

6. What are the rules to create keys in dictionary?
7. Write a python code to reverse a number and find the sum.
8. Write a note on python packages.
9. What do you mean by objects? With a program segment explain how to create objects.
10. What is the use of init() method? Explain
11. Write a program to demonstrate how function overriding happens inside the same class.
12. Illustrate with help of an example the importance of 'Exception Handling'.

PART- C

Answer any THREE questions

3X10=30

13. With relevant program segment explain looping and conditional structures in python with help of a relevant example. (10)
14. a) Define Inheritance. Explain the various types of it with suitable code segment (7)

- b) Write a python code to create a constructor. (3)
15. a) What happens if except clause is written without any Exception type? Explain with an example (6)
- b) Explain with examples findall() and split() methods. (4)
16. a) what are ndarrays in NumPy? Whether NumPy arrays are better than Python's list? Justify (6)
- b) Write a python code to draw horizontal and vertical bar chart to display the population of country (4)