



ADITYA DEGREE COLLEGES

* ANDHRA PRADESH *

IV SEMESTER - I MID EXAMINATIONS

II -BBA-BA major -DATA ANALYSIS WITH PYTHON

Time : 2 Hours

Max. Marks : 60

Date: 30 -01-2025

SECTION-A

I. Answer any FIVE Questions. 5X4=20 M

1. Python.
2. Data Types.
3. Bitwise Operators.
4. Looping Statements.
5. Exception Handling.
6. Packages in Python
7. Python code for calling a function.
8. Search function.

SECTION - B

II. Answer ALL Questions. 4X10=40 M

9. (a) What are control statements in Python? Explain the purpose of 'break', 'continue', and 'pass' statements with examples.

(Or)

- (b) How do you set up the path for Python on your system and why it is necessary.

10. (a) Compare Python's 'for' loop and 'while' loop. Write a program to print the first 10 numbers of the Fibonacci sequence using a loop?

(Or)

- (b) Explain the concept of variables in Python. Write a program that demonstrates Input - Output Statements.

11. (a) How does Python handle string manipulation and write some common string operations that you can perform.

(Or)

- (b) Describe the dictionary data structure in Python. How would you access, modify and delete items in a dictionary.

12. (a) How do Python classes implement Object-Oriented programming principles such as inheritance, Polymorphism and encapsulation?

(Or)

- (b) How do you import and use a module in Python? Give an example of importing a specific function from a module.