



--	--	--	--	--	--	--	--

V Semester BCA 4 Degree Examination, Nov./Dec. - 2019

PROGRAMMING WITH PYTHON

(Regular)

Paper : BCA4

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

All sections are compulsory.

SECTION - A

1. Answer the following questions.

(10×2=20)

- What is python?
- Define scalar & non scalar objects?
- Define tuples?
- Write an examples for mutable & immutable types?
- What is heigher order function in programming?
- Define testing & Debugging?
- What you mean by Inheritance?
- What is Exception?
- What is regular expression?
- What is Data base?

SECTION - B

Answer any **FOUR** the following

(4×5=20)

- Write a syntax to define functions in python? Write a python program to find largest of two numbers using function?
- Explain any five string methods with an example?
- Explain Blackbox & Glassbox testing?
- Write a python program to show draw shapes? (line, oval, rectangle)
- Write steps to connect database in python?



--	--	--	--	--	--	--

SECTION - C

Answer any **FOUR** of the following.

(4×10=40)

7. a) What is recursion explain with a program? (5)
- b) What is file? Explain any five file methods? (5)
8. Explain lists and dictionaries with example? (10)
9. a) Explain exception handling mechanism in python? (5)
- b) Write a python program to demonstrate use of try, except, finally? (5)
10. Explain any 10 widgets used in aUI programming of python? (10)
11. a) Explain while & for loop statements in python? (5)
- b) Show how we can match & search characters using regular expression? (5)

SECTION - B

(4×5=20)

Answer any **FOUR** of the following

1. Write a syntax to define functions in python. Write a python program to find largest of two numbers using function? (5)
2. Explain any five string methods with an example? (5)
3. Explain Black box & Glass box testing? (5)
4. Write a python program to show how ships? (find oval, rectangle) (5)
5. Write steps to connect database in python? (5)