



41524/E240

Reg. No.

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**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?

**P.T.O.**

**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)
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