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V Semester B.C.A. UG Examination, September - 2020**PROGRAMMING WITH PYTHON****(Repeater)****Time : 3 Hours****Maximum Marks : 80****Instructions to Candidates:**

- 1) All Sections are compulsory
- 2) Give examples and syntax wherever necessary.

SECTION - A**1. Answer the following questions.****(10×2=20)**

- a) Define python?
- b) Define variable? Give example.
- c) What are Ranges?
- d) Define Testing? Mention types of testing.
- e) What is Assertion in python. Give syntax.
- f) Define Regular expressions.
- g) Define IDE's of python.
- h) Define database?
- i) Define single query.
- j) Define strings in python. Give syntax.

SECTION - B**Answer any FOUR of the following:****(4×5=20)**

2. What are objects of python. Explain types of objects with syntax.
3. Explain functions as objects of python?
4. Explain Debugging in python? Discuss types debugging.
5. Discuss (Tkinter) GUI in python.
6. Write steps for database connectivity using python?

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**SECTION - C**Answer any **FOUR** of the following:**(4×10=40)**

7. a) Explain Branching in python. **(5)**
b) Explain Iteration? Give program example. **(5)**
 8. a) Explain lists and Tuples. **(5)**
b) Discuss dictionaries in python? **(5)**
 9. a) Explain Exception handling in python? **(5)**
b) Explain Inheritance and Encapsulation properties of python? **(5)**
 10. Explain in detail with examples of any five widgets of python? **(10)**
 11. Explain following terms each. **(5×2=10)**
 - i) Match
 - ii) Fetch all ()
 - iii) Search
 - iv) Execute functions
 - v) Connect and cursor.
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