



41524/E240

Reg. No.

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V Semester B.C.A. 4 Degree Examination, March - 2022

PROGRAMMING WITH PYTHON

(Repeater / Regular)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates :

- 1) *ALL Sections are Compulsory.*
- 2) *Give examples wherever necessary..*

SECTION - A

Answer the following questions.

(10×2=20)

1. a) Define Python.
b) Define Variable. State the rules of defining a variable.
c) Define Tuples. Give an example.
d) Differentiate between Lists and Dictionaries.
e) State the significance of Range ()
f) Define Testing.
g) Define Inheritance and Encapsulation.
h) Define Regular Expression.
i) Name any four Tkinter widgets.
j) What is Cursor ?

SECTION - B

Answer any **FOUR** of the following questions.

(4×5=20)

2. Explain Scoping with examples.
3. Explain any five String built-in functions with examples.
4. Differentiate between Block-box and White-box Testing.
5. Explain any five Meta characters with Regular Expressions.
6. Explain steps for Database connectivity in python.

[P.T.O.]



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SECTION-C

Answer any **FOUR** of the following questions.

(4×10=40)

7. a) Explain features of python. (5)
b) Explain Recursion with an example (5)
8. Explain any five built-in functions of Dictionaries with example (10)
9. a) Explain Exception Handling in python. (5)
b) Explain Debugging in python (5)
10. Explain any five Widgets related to GUI (10)
11. Explain following terms each: (5×2=10)
 - i) Commit ()
 - ii) Alter table
 - iii) Update operation
 - iv) Fetchall ()
 - v) Delete ()

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