

Seat Number

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PEN-21

**CA 205 (B) PYTHON PROGRAMMING
(251252)**

Total Page : 1]

Time: 3 Hours

Max. Marks : 60

Instruction to Candidates:

1. **Do not write anything on question paper except Seat No.**
2. **Graph or diagram should be drawn with the black ink pen being used for writing paper or black HB pencil.**
3. **Students should note, no supplement will be provided.**

1. Attempt the following (any 2)

- a) Define variables. List down the rules for naming the variable with example 6
- b) Discuss about keyword arguments and default arguments in python with example 6
- c) Describe the use of try block and except block in Python with example. 6

2. Attempt the following (any 2)

- a) What is the use of function? Explain the role of function call and function definition with example. 6
- b) Demonstrate with code the various operations that can be performed on tuples. 6
- c) Write a python code to search a string in the given list. 6

3. Attempt the following (any 2)

- a) Mention the commands and their syntax for the following: get current directory, changing directory, list directories and files. 6
- b) Write a Python program to find the factorial of the given number using recursion 6
- c) Explain with an example while loop, break statement and continue statement in Python. 6

4. Attempt the following (any 2)

- a) Explain with an example nested if-else and elif header in Python 6
- b) Compare lists and array with example. Can list be considered as an array? Justify. 6
- c) What is a dictionary in Python? Give example. 6

5. Attempt the following (any 2)

- a) What are modules in python? How will you import them? 6
- b) Write a python program to swap two variables. 6
- c) Explain the use the __init__() method in Python? 6