

Duration: 2.5 Hours

G31810OPP

Total Marks:- 75

N.B.: (1) All questions are compulsory.

(2) All questions carry equal marks.

(3) Figures to the right indicate marks to a sub-question.

1. Attempt any three of the following.

(15M)

- a. What is a variable? What are the rules to name a variable?
- b. Explain the different types of operators in python?
- c. Write a program to accept three numbers and find out the maximum number among three.
- d. List out the conditional construct.
- e. Explain for statement in detail.
- f. Write a program to accept a number and print factors of the number.

2. Attempt any three of the following.

(15M)

- a. What do you mean by function calls?
- b. Explain the flow of execution.
- c. Explain return values in function.
- d. Write a short note on string slices.
- e. Write a short note on the operator.
- f. Write a Short note on Predefined functions.

3. Attempt any three of the following.

(15M)

- a. What is list explained with an example.
- b. Explain the tuple functions with an example.
- c. Write a difference between mutable and immutable.
- d. Write a short note in the dictionary.
- e. Write a python program to slice a tuple.
- f. Write a short note on tuples.

4. Attempt any three of the following.

(15M)

- a. Explain the objects.
- b. Explain classes and objects.
- c. Explain data hiding.
- d. Explain types of inheritance.
- e. What is the different type of regular expression?
- f. What is a regular expression? Explain.

5. Attempt any three of the following.

(15M)

- a. How to import the tkinter.
- b. Write a python program to display welcome messages on button click.
- c. Write a short note on import tkinter.
- d. What is the difference between radio button and checkbox button?
- e. Explain the delete command.
- f. Explain the Modify command.

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