

[Time:2.30 Hrs]

[Marks:75]

Please check whether you have got the right question paper.

- N.B:
1. All question are compulsory.
 2. Figures to the right indicate full marks.

Q.1 Attempt any four of the following. 20

- A Explain various operators used in python.
- B Write a python code demonstrating how to import functions from a module where they are already defined.
- C Explain Assert statement.
- D What is list? Explain with example?
- E What is difference between mutable and immutable?
- F Explain the use of Built-in type function with an example.

Q.2 Attempt any four of the following. 20

- A Explain Dictionary in python.
- B Write Syntax of 'while' loop in python.
- C Explain range() function in python.
- D Define Global and Local Variable in python.
- E Define Function. Write its advantages.
- F Explain 'continue' statement in python with syntax.

Q.3 Attempt any four of the following. 20

- A Explain any 5 string functions.
- B Define the following terms.
1) Encapsulation 2) Polymorphism
- C State and explain any 5 dictionary methods.
- D Explain the concept of Anonymous functions?
- E Write short note on:
a) Inheritance
- F Explain list comprehension with an Example.

Q.4 Attempt any three of the following.

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- A Explain the function of tuple with example.
- B What is difference between list and tuple?
- C Explain with example the use of Anonymous function with filter().
- D Explain Conditional statement in python.
- E Explain with an example how list comprehensions can be used with range ().
- F Explain Dynamic typing and Static typing.
