

[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 Write a python program using Math Expressions.
- B Explain various operators used in Python.
- C What are the features of Python programming language?
- D Write the difference between Dynamic Typing and Static Typing
- E Explain operator precedence with an example.
- F Explain the use of Built-in type function with an example.

Q.2 Attempt any four of the following:**20**

- A Explain Global and local variables with an example.
- B What is a dictionary? Explain Operations and functions of the dictionary.
- C Write a short note on Functions in python.
- D Explain while loop with an example
- E With the help of an example, explain Break and Continue statements.
- F Write the following python programs, to find the sum of n natural numbers.

Q.3 Attempt any four of the following:**20**

- A Explain with example the use of Anonymous function with filter()
- B State and explain any 5 tuple functions.
- C Explain list comprehension with an Example
- D Explain with an example how list comprehensions can be used with range().
- E Write a Python program to Swapping two numbers with and without using a temporary variable.
- F State and explain any 5 string functions.

Q.4 Attempt any three of the following:**15**

- A Explain Assert statements in detail.
- B Explain expression evaluation in Python
- C Write the difference between Dynamic Typing and Static Typing.
- D State and explain any 5 dictionary functions.
- E Explain with example the use of Anonymous function with map().
- F Define Functions and list advantages of using them

*******END*******