

[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.
 3. Students answering in the regional language should refer in case of doubt to the main text of the paper in English.

Q.1 Attempt any four of the following: 20

- A What are various modes of file object? Explain any five.
- B Write a python program to read contents of 'first.txt' file and write same content in 'second.txt' file
- C Define Iterator with example.
- D Explain exception handling with example using try, except, raise keywords.
- E Give syntax and example of following functions.
 - (i) mkdir
 - (ii) chdir
- F Differentiate between match() and search() function. Explain with example.

Q.2 Attempt any four of the following: 20

- A What is GUI programming? Write advantage and disadvantage.
- B Demonstrate the use of Entry box.
- C Explain any five options of pack() method.
- D Discuss event handling formats. (any five)
- E List the widgets which provided by tkinter module. Explain any four.
- F Write a python program to display five graphical shapes on Canvas.

Q.3 Attempt any four of the following: 20

- A What is database connectivity in Python? Explain in Details.
- B How to read properties of URL? Explain it with example.
- C Explain cursor, execute & close functions used in database connectivity.
- D Give a short note on SMTP. Explain how to create SMTP object in python.
- E Explain exception in database connectivity in Python.

- F Write short notes of Socket module in Python.

Q.4 Attempt any three of the following:

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- A Write short notes of File handling in Python.
- B What is regular expression? State and explain regular expression patterns.
- C Write short notes of Layout Management in Python.
- D How to use fonts and colors in python? Specify example.
- E Write a python program to execute a SQL statement.
- F Explain to creating server-client programs.