

Q.P. Code : 04468

[Time: $2\frac{1}{2}$ Hours]

[Total Marks:75]

Please check whether you have got the right question paper.

N.B:

1. All questions are compulsory.
2. Figures to the right indicate marks.
3. Illustrations, in-depth answers and diagrams will be appreciated.
4. Mixing of sub-questions is not allowed.

Q. 1 (a) Attempt All (Each of 5Marks)

(15M)

Multiple Choice Questions

- Which function is used to close the file?
a) close() b) stop()
(c) closefile() d) end
- The _____ method is used to display current working directory.
a) mkdir() b) stop()
c) getcwd() d) rmdir()
- To arranging or controlling different python tkinter widget on the screen we use _____.
a) TK() b) tkinter
c) layout manager d) none of these
- The purpose of a _____ widget is to display a set of lines of text.
a) Entry b) RadioButton
c) CheckBox d) ListBox
- This widget option is used to size the canvas in the X diemention
a) width b) height
c) length d) border

(b) Fill in the blanks

(5M)

- 1 Python exceptions are caught by the _____ keyword.
- 2 _____ mode is used to open file to read in binary format.
- 3 We can execute the sql queries from python program using _____ method
- 4 SMTP stands for _____.
- 5 While sending the data through URL with HTTP, this is often done by Using _____ request.

(c) Short Answers.

(5M)

- 1 Why we use rowcount() method?
- 2 Explain Socket.bind()
- 3 What is 'r+' in file handling?
- 4 When do we use fetchone() function. in database.
- 5 Explain Label widget.

P.T.O

- Q. 2 Attempt the following. (Any THREE) (Each of 5Marks) (15M)**
- (a) Explain in detail python file functions for reading, writing, positioning, and seeking within file contents?
 - (b) Explain different techniques for reading files such as Read and ReadLines.
 - (c) Explain how to create a directory, how to change a directory and how to remove a directory in python.
 - (d) What is the use of Iterator? Explain with example.
 - (e) Explain the followings:
 - 1) Try 2) Except 3) Finally
 - (f) What is regular expression? Explain with example.
- Q. 3 Attempt the following. (Any THREE) (Each of 5Marks) (15M)**
- (a) Explain GUI in python and state its advantages and disadvantages.
 - (b) What is grid layout? Give suitable example.
 - (c) What are the different types of messagebox available in message widget of tkinter module?
 - (d) With the help of proper example explain radiobutton widget in tkinter module.
 - (e) Write a python GUI that contains three Radio buttons for colors "Red", "Green", and "Blue". Display selected color on a label.
 - (f) Write a python Canvas program to draw Circle, Polygon and Arc with effects.
- Q. 4 Attempt the following. (Any THREE) (Each of 5Marks) (15M)**
- (a) What is mysql connector? How to access and connect with database using mysql connector? Give and Explain steps with example.
 - (b) Write a python program to insert a value in database table emp with following attribute emp_id number, emp_name string, emp_sal number.
 - (c) How to execute different types of statements on a database table? Explain with examples.
 - (d) Differentiate between socket, connect() and socket.bind().
 - (e) What is cursor? Explain it with example.
 - (f) Explain URL with example.
- Q. 5 Attempt the following (Any THREE) (Each of 5Marks) (15M)**
- (a) How to apply font on tkinter widgets? Explain with examples.
 - (b) With the help of proper example explain listbox widget in tkinter.
 - (c) Write a python program to write the data into the file.
 - (d) Explain in brief following exceptions:
 - 1) Exception 2) ZeroDivisionError
 - 3) ValueError 4) Nameerror
 - (e) Write a python program to send email.
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