

SEMESTER END EXAM
PYTHON PROGRAMMING
for CM.E. Final Year

Max. Marks : 40

 $8 \times 1 = 8$

Time : 2 Hours

PART - A

Note: Answer All questions and each question carries One mark.

1. Write the syntax to create a dictionary type variable.
2. Write the use of raise statement.
3. List any four widgets for developing a GUI.
4. Define Multithreading.
5. What is the purpose of Geometry Managers?
6. Define regular expression.
7. Write the syntax to open a file.
8. List types of transistors.

 $4 \times 3 = 12$

PART - B

Note: Answer any One question from 9, 10, 11 and 12 each question carries Three marks.

9. (a) Write different components of Raspberry PI.
(or)
(b) Discuss search, replace and match function.
10. (a) List different types of inheritance with diagram.
(or)
(b) Write how to calculate the resistance of a resistor by using color codes.
11. (a) Discuss basic attributes of widgets.
(or)
(b) Write different geometry managers.
12. (a) Discuss the function to open, write and close a file.
(or)
(b) Write the process to connect MySql database.

Note : Answer any One question from 13, 14, 15 and 16 each question carries Five marks.

13. (a) Write a python program to print multiplication tables from 1 to 10.

(or)

(b) Design a window application that displays number of times a user clicks a button.

14. (a) Write a python script that denies access to multiple threads to critical section.

(or)

(b) Write a python program to delete record from a table.

15. (a) Create regular expression to validate email-id, and phone number.

(or)

(b) Write a python application to handle list box events.

16. (a) Write a python program to copy one file into another file and delete the original file.

(or)

(b) Write a python program and steps to turn on/off LED.

physiological needs .