

BOARD DIPLOMA EXAMINATION**MID-I****PYTHON PROGRAMMING***for CM.E Final Year*

Time : 1 Hour

Max. Marks : 20

PART-A**4 × 1 = 4****Note :** Answer *All* questions and each question carries *One* mark.

1. List the advantages of IOT.
2. List the features of python programming language.
3. Write the purpose of Indentation.
4. Write the syntax to declare Dictionary.

PART - B**2 × 3 = 6****Note :** Answer any *One* question from 5 and 6 each question carries *Three* marks.

5. (a) Discuss the components of Raspberry PI.
(or)
5. (b) Write the differences between Python and Java.
6. (a) Write any five string processing functions.
(or)
6. (b) Write the differences between implementing function using loops and recursion.

PART - C**2 × 5 = 10****Note :** Answer any *One* question from 7 and 8 each question carries *Five* marks.

7. (a) Write the steps to build a PC and install operating system into Raspberry.
(or)
7. (b) Explain the different ways of executing a python program.
8. (a) Develop a python program to traverse, delete and add elements into list.
(or)
8. (b) Develop a python program to find the next prime number of a given prime number