**AWH ENGINEERING COLLEGE, CALICUT DEPARTMENT OF MCA**

**RLMCA369 PYTHON PROGRAMMING S5 MCA FIRST SERIES NOV 2021**

**TOTAL MARKS: 30 TOTAL HOURS:1.5 PART A**

**ANSWER ALL QUESTIONS**

**EACH QUESTION CARRIES 3 MARKS**

1. What is list comprehension? Write an example.
2. What are lambda functions?
3. What are the features of python?
4. Write any three built in function of strings. Explain each with example.

**PART B**

**ANSWER ANY ONE OUT OF 2 IN EACH SET OF QUESTIONS**

**EACH QUESTION CARRIES 6 MARKS**

1. What are the different argument passing mechanisms in python? Give Examples for each. OR
2. Write a program to illustrate the difference between tuples and lists in Python.
3. a) What is the use of Control Statements? (3)

b) How it is related to Control Structures? (3)

OR

1. Write a program that takes any two lists L and M of the same size and adds their elements together to form a new list N whose elements are sums of the corresponding elements in L and M.
2. Explain date time module with suitable example.

OR

1. Briefly explain the various types of operators in python.