

School of Computing Science and Engineering

Department of Computer Application

Mid Term Examination

Exam Date: 29 Sep 2023

Time : 90 Minutes

Marks : 50

Sem III - MCAN2420 - Web Development using Python

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

- 1) Differentiate between mutable and immutable objects in Python language with example. K2 (2)
- 2) What is Dictionary Comprehension? Give an Example K1 (3)
- 3) Explain the following list methods with an example. a) append() b) extend() c) insert() d) index() e) sort() K2 (4)
- 4) What is a web application framework ? Explain different types of web application frameworks. K2 (6)
- 5) Create a simple Django web page that displays "Hello, World!" when accessed. Explain the main components of the Django project that contribute to this outcome. K3 (6)
- 6) Given a list in Python and provided the positions of the elements. Write a program to swap the two elements in the list. K3 (9)
- 7) What are Django views, and how do they handle HTTP requests? K4 (8)
- 8) Explain the concept of Django's middleware and provide an example of how it can be used. K4 (12)

OR

- Create an Employee table having the attributes (Employee Id, Employee Name, Designation, Gross Salary) and perform the following SQL operations: K4 (12)
- a) Display all employees who have more than Rs. 80000 Salary.
 - b) Delete all employee records who have less than Rs. 25000 salary.
 - c) Update an individual record.