

Mid Semester Exam Apr 2024
Branch: CSE-3rd Sem CS-304 Python

Time 1:30 Hrs

Max. Marks 20

Note: All questions are compulsory and have internal choice.

Ques.1(a): Discuss the differences between lists, tuples, sets, and dictionaries in Python. Provide examples demonstrating their unique features and use cases. (CO1-5)

OR

Ques.1(b): Discuss the various data types in Python. Provide examples for each. (CO1-5)

Ques.2(a): Write a Python program to convert a given temperature from Celsius to Fahrenheit. (CO1-5)

OR

Ques.2(b): Explain with examples, the difference between mutable and immutable data types in Python. (CO1-5)

Ques.3(a): What is list comprehension? Provide an example. (CO2-5)

OR

Ques.3(b): How does the break statement work in Python loops? (CO2-5)

Ques.4(a): What is a conditional statement in Python? Provide an example. (CO2-5)

OR

Ques.4(b): Discuss the different types of control statements (break, continue, pass) in Python with examples. (CO2-5)