

R19**Code No: 864AA****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****MCA IV Semester Examinations, July/August - 2021****PYTHON PROGRAMMING****Time: 3 Hours****Max.Marks:75**

Answer any five questions
All questions carry equal marks

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1. List out the main differences between Lists and Tuples with examples. [15]
2. Explain the following built-in file functions with clear syntax, description and example.
a) open() b) read() c) tell() d) seek() [15]
3. Explain briefly about Thread and Threading module objects in Python with example. [15]
- 4.a) Explain briefly web surfing with python.
b) How to create web clients in python? Explain in detail. [7+8]
5. Explain Object Relational Managers (ORMs) and its modules with example. [15]
- 6.a) List and explain few most commonly used built-in types in python.
b) Write Python Program to count the number of characters in a given string. [7+8]
- 7.a) How to Detecting and Handling Exceptions in python? Explain in detail.
b) Illustrate the concept of packages in python with example. [7+8]
8. Write Python GUI program that produces a window with the following widgets:
a) A button to retrieve the next value in the list.
b) A label to display the number of the items and the total number of items. [7+8]

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