

**R20**

Code No: 871AC

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**MCA I 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.a) What are the features of Python.
- b) Discuss about Mapping and sets in python with example program. [7+8]
- 2.a) Describe several Built-in attributes related to File objects.
- b) Explain any two built-in file functions with clear syntax, description and example. [8+7]
3. What is multithreading? How python supports multithreading? Explain with a code snippet. [15]
- 4.a) Discuss about standard exceptions in python with example program.
- b) How to create Label widget in Python? Explain with example. [7+8]
5. Explain Object Relational Managers (ORMs) and its modules with example. [15]
6. List and explain about various operators used in python with example. List out the procedure operations. [15]
- 7.a) Discuss about Global Interpreter Lock.
- b) What is the need of Tkinter module in python? Explain in detail. [7+8]
8. Explain about advanced web server and web clients. [15]

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