

Code No: 871AC

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**MCA I Semester Examinations, March - 2023****PYTHON PROGRAMMING****Time: 3 Hours****Max.Marks:75****Note:** i) Question paper consists of Part A, Part B.

ii) Part A is compulsory, which carries 25 marks. In Part A, Answer all questions.

iii) In Part B, Answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

PART – A**(25 Marks)**

- 1.a) Explain about unsupported types by Python. [5]
- b) Describe command line arguments. [5]
- c) Create RE to match the set of the string representations of all Python floats. [5]
- d) Explain about GUI systems available for Python. [5]
- e) Discuss about DB-API module attributes. [5]

PART – B**(50 Marks)**

- 2.a) Explain about numeric type related modules.
 - b) Describe categorizing the standard type. [5+5]
- OR**
3. Explain about string type built-in methods in detail. [10]
- 4.a) What are file built-in methods? Explain.
 - b) Describe context management protocol in detail. [5+5]
- OR**
- 5.a) List and explain Python built-in exceptions.
 - b) What are the differences between using “import module” and “from module import *”? [5+5]
- 6.a) What are core functions and methods of re module? Explain.
 - b) Explain about Global Interpreter Lock in detail. [5+5]
- OR**
- 7.a) Create RE for matching any word and single letter separated by a comma and single space, as in last name, first initial.
 - b) Describe thread object methods with suitable examples. [5+5]
- 8.a) Give an example of Intermediate Tkinter.
 - b) Write about CGI and CGI applications. [5+5]
- OR**
- 9.a) Discuss about PyGTK with demo example.
 - b) Describe advanced Web clients with an example. [5+5]
10. Explain the following:
 - a) MySQL
 - b) Type objects and constructors. [5+5]
- OR**
11. Explain the following:
 - a) PostgreSQL
 - b) DB-API exception classes. [5+5]

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