

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
FIFTH SEMESTER M.C.A. DEGREE EXAMINATION, DECEMBER 2018

Course Code: RLMCA369

Course Name: PYTHON PROGRAMMING

Max. Marks: 60

Duration: 3 Hours

PART A

Answer all questions, each carries 3 marks.

Marks

- | | | |
|---|---|-----|
| 1 | What is meant by list? Write a python script to get the largest number from a list. | (3) |
| 2 | What are assertions in python? Give example. | (3) |
| 3 | Write a python program to capitalize each word in a file. | (3) |
| 4 | Explain Built-in attribute methods of a class in python? | (3) |
| 5 | Explain compile() method with an example. | (3) |
| 6 | Explain commit and rollback operations in python. | (3) |
| 7 | What are widgets? Explain any three widgets in detail. | (3) |
| 8 | Write short notes on matplotlib. | (3) |

PART B

Answer six questions, one full question from each module and carries 6 marks.

Module I

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|---|---|-----|
| 9 | Explain any three decision making statements in Python with suitable example. | (6) |
|---|---|-----|

OR

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|----|---|-----|
| 10 | a) What is mean by type conversion? Write a python script to convert a tuple to dictionary. | (3) |
| | b) Write a python script to merge two python dictionaries. | (3) |

Module II

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|----|---|-----|
| 11 | Explain date time module with suitable example. | (6) |
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OR

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|----|---|-----|
| 12 | a) What are recursive functions? Give an example. | (3) |
| | b) Write a Python function that takes two lists and returns true if they have at least one common member. | (3) |

Module III

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|----|---|-----|
| 13 | a) Explain seek() and tell() methods with example . | (3) |
| | b) Write a python program to search a word in a file and replace with another word. | (3) |

OR

14 Explain the concept of inheritance in Python with suitable examples. (6)

Module IV

15 Differentiate Regex patterns and Regex modifiers. Explain any 3 uses of regular expression with relevant example. (6)

OR

16 a) Write python code to insert, update and delete operations in a database table. (3)

b) Write a note on exception handling in databases. (3)

Module V

17 a) What is the role of Tkinter in GUI programming? (2)

b) Create a student registration page using Tkinter. (Name, course, address, Phone number). (4)

OR

18 Explain the concepts Web Clients, Web Servers, Web Services with suitable examples. (6)

Module VI

19 What are the difference between NumPy and SciPy? Explain NumPyArray with an example. (6)

OR

20 Differentiate Django Projects and Django Apps. How to create a project in Django. (6)
