

**KMM INSTITUTE OF POST GRADUATE STUDIES :: TIRUPATI****PRE-FINAL EXAMINATION****Time: 3hrs****MCA 102 : Programming in Python****Marks: 70**

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**Section – A Answer any FIVE questions****5 X 4 = 20 marks**

- 1) Write any 4 Features of Python.
- 2) Write about print Features in Python.
- 3) Specify Datatypes in Python.
- 4) Write about Tuples.
- 5) Write about Return, Break, Pass statements.
- 6) What is Exception. And specify standard exception.
- 7) Write about Objects in python.
- 8) What is an Interface.

**Section – B Answer any FIVE questions****5 X 10 = 50 marks****Unit-I**

- 9) Explain about a) Python virtual machine, b) Memory management.

**Or**

- 10) Explain about a) Packages in python, b) Pandas.

**Unit-II**

- 11) Explain about Datatypes in Python.

**Or**

- 12) Explain about various Operators in Python with examples.

**Unit-III**

- 13) Explain about Decision Making Statements.

**Or**

- 14) Explain about Arrays and usage with example.

**Unit-IV**

- 15) Explain about Lists and various methods use in python.

**Or**

- 16) Explain about Dictionaries and operations in Python.

**Unit-V**

- 17) Explain about OOPS Concepts with examples. Create a class in Python for Employee and methods that will take employee data and show salary details.

**Or**

- 18) Explain about Stack Operations.

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## PRE-FINAL EXAMINATION

Time: 3hrs

MCA 102 : Programming in Python

Marks: 70

**Section – A Answer any FIVE questions****5 X 4 = 20 marks**

- 1) Write about Python Virtual Machine.
- 2) Write about Input Function in Python.
- 3) Specify bitwise operations in Python.
- 4) Write about sets in Python
- 5) Write about Return, Break, Pass statements.
- 6) What is Abstract class in Python.
- 7) Write about Python database connectivity.
- 8) Write about DQueue.

**Section – B Answer any FIVE questions****5 X 10 = 50 marks****Unit-I**

- 9) Explain about history and versioning of Python.

**Or**

- 10) Explain about a) Packages in python, b) Pandas.

**Unit-II**

- 11) Explain about Datatypes and type conversion functions in Python.

**Or**

- 12) Explain about various Operators in Python with examples.

**Unit-III**

- 13) Explain about repetitive statements in Python.

**Or**

- 14) Explain about declaring, defining and passing parameters to functions in Python.

**Unit-IV**

- 15) Explain about strings and various methods used in python.

**Or**

- 16) Explain about Dictionaries and operations in Python.

**Unit-V**

- 17) Explain about Exception handling in Python.

**Or**

- 18) Explain about Linked Lists in Python