

K18P 0074

Reg. No. :

Name :

**Third Semester M.C.A. Degree (Regular/Supplementary/Improvement)
Examination, January 2018
(2014 Admission Onwards)
(Elective – 1) MCA 3E02 : PYTHON PROGRAMMING**

Time : 3 Hours

Max. Marks : 80

- Instructions :** 1) Answer **any ten** questions from Section – A. Each question carries **three** marks.
2) Answer **all** questions from Section – B. Each question carries **ten** marks.

SECTION – A

Note : Answer **any ten** questions. Each question carries **three** marks.

1. Define first class objects in Python.
2. What is docstring ?
3. What are the uses of following operators in Python ?
 - i) is
 - ii) in.
4. What are the uses of Python containers ?
5. With an example, explain the process of declaring a function in Python.
6. What is the use of decorators ?
7. What are the most common socket types ?
8. How to create a dialog in Python program ?
9. What is the use of Dialects ?
10. What are the merits of web tools ?
11. What do you mean by Rendering the Backdrop ?
12. What do you mean by blending ?

(10×3=30)

P.T.O.



SECTION - B

Note : Answer **all** questions. **Each** question carries **ten** marks.

13. a) Explain the different types of operators and operations in Python program with suitable examples. 10
- OR
- b) Explain in detail about the dictionary operations. 10
14. a) What is the significance of RAID tool in Python ? Discuss the merits and demerits. 10
- OR
- b) Explain briefly abstract base classes and meta classes in Python. 10
15. a) With an example each, explain the string and text handling functions in Python. 10
- OR
- b) What are the various steps involved in connecting and querying in SQLite database in Python program ? Explain. 10
16. a) Explain the following with respect to GUI programming : 10
- i) Drag and drop
 - ii) Data handling and custom file format events.
- OR
- b) Explain the following : 10
- i) Naming Extension Modules
 - ii) Compiling and Packaging Extensions.
17. a) Explain the pygame key module in detail. 10
- OR
- b) Explain the following with respect to pygame : 10
- i) Resizable Pygame windows
 - ii) Scaling colors.