

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.