K17P 0189

Reg. No. : ....

Name : ....

Third Semester M.C.A. Degree (Regular/Supplementary/Imp.) Examination, January 2017
(2014 Admn. Onwards)
MCA3E02 : PYTHON PROGRAMMING
(Elective – I)

Time : 3 Hours

Max. Marks : 80

SECTION – A

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

1. Define first class objects in python.

2. How the exceptions are handle in python program ?

3. What are the functions of context managers ?

4. What are the uses of python containers ?

5. Mention merits of python debugger.

6. What are the interpreter options of python program ?

7. Compare and contrast match objects and managed objects.

8. How to create dialog in python program ?

9. What are the design issues of the debugging of python program ?

10. How to manage objects and colour palets in python program ?

11. What are the merits of web tools ?

12. Mention the applications of openGL in python program.

(10×3=30)

P.T.O.

SECTION – B

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

13. a) Describe the various built in types of data representation in python. Explain with suitable examples. 10

     OR

    b) Explain the different types of operators and operations in python program with suitable examples. 10

14. a) What are the significant of RAID tool in python ? Discuss the merits and limitations briefly. 10

     OR

    b) Explain operator overloading in python programming with suitable examples. 10

15. a) Explain various tuning strategies in python with suitable applications. 10

     OR

    b) Explain briefly abstract base classes and meta classes in python programming. 10

16. a) Explain the uses of various dialog boxes in GUI applications briefly. 10

     OR

    b) Explain briefly designing user interfaces and an implementation of dialogs using at designer. 10

17. a) Define matrix. Explain the various matrix operations in python.
     i) Scale matrix
     ii) Rotation matrix
     iii) Matrix multiplication.

     OR

    b) Explain exploring event of third dimension in python with suitable example. 10

     (5×10=50)