K17P 0189

Max. Marks: 80

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

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. The online (a
- 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.

 $(10 \times 3 = 30)$

P.T.O.

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SECTION-B

Answer all questions. Each question carries ten marks.	
Answer all questions. Each question out the second data representation in python. Explain 13. a) Describe the various built in types of data representation in python. Explain	10
13, a) Describe the various built in types of data top a	10
WITH SUITADIE EXamples and a sub-	
OR or or operations in python program	10
 OR b) Explain the different types of operators and operations in python program 	10
with suitable examples.	
14. a) What are the significant of RAID tool in python ? Discuss the merits and	10
14. a) What are the significant limitations briefly.	
OB	10
the subscreen and in python programming with suitable examples.	A
b) Explain operator overloading in python programming with suitable examples.	10
 b) Explain operator overloading a point b) Explain operator overloading a point c) Explain various tuning strategies in python with suitable applications. 	
OR OR I I a programming.	10
b) Explain briefly abstract base classes and meta classes in python programming.	
b) Explain briefly abstract and the boxos in GUI applications briefly.	e 10
 b) Explain briefly abstract base claimed 16. a) Explain the uses of various dialog boxes in GUI applications briefly. 	b
OR OR Internet ation of dialogs	
OR b) Explain briefly designing user interfaces and an implementation of dialogs	10
	0 10
The lain the various matrix operations in python.	
17. a) Define matrix. Explain the various and the particular testino one ensormed	N
i) Scale matrix	8
ii) Rotation matrix	
iii) Matrix multiplication, to prippudeb ent to aqueal relate ent era tariW	
OR OR with suitable example.	.01 10
OR b) Explain exploring event of third dimension in python with suitable example.	×10=50)
D) Explain explain of the treat of web tools ?	
Mention the applications of openGL in python program. (10x3=30)	