### K17P 0189

Max. Marks: 80

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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. Show here an interest of the set of the
- 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

u questions Each question carries ten marks.	
Answer all questions. East in the times of data representation in python. Explain	10
13, a) Describe the various built in types of data top a	10
with suitable examples.	
OR or or operations in python program	10
b) Explain the different types of operators and operations and operations	10
with suitable examples.	
the significant of RAID tool in python ? Discuss the mento and	10
14. a) What are the significant	
OB	10
the subscreen and in python programming with suitable examples.	A
b) Explain operator overloading in pre-	10
15 a) Explain various tuning strategies in python with suitable opp	1
OR OR I I a programming.	\$ 10
and meta classes in python programming	
b) Explain briefly abstract and the boxos in GUI applications briefly.	6 10
16, a) Explain the uses of various dialog boxes in contract and a second and a seco	6
OR OR Internet ation of dialogs	
Evolain briefly designing user interfaces and an implementation of a	10
b) Explain billing at designer.	0 10
using the various matrix operations in python.	
17. a) Define matrix. Explain the random aparto house the standor of a ensormed	N
i) Scale matrix	8
ii) Rotation matrix	
iii) Matrix multiplication, to pripplicable of to aqueal relies of end and the	8
OR with suitable example.	.01 10
b) Explain exploring event of third dimension in pythetic (5)	×10=50)
Vinas are the ments of web tools ?	
Mention the applications of openGL in python program. (10x3=30)	