

Roll No.

Total Pages : 03

MCA/D-18
CLOUD COMPUTING
MCA14-55(V)

10144

Time : Three Hours]

[Maximum Marks : 80

Note : Attempt *Five* questions in all. Q. No. 1 is compulsory.
Attempt *four* more questions selecting *one* question
from each Unit.

1. Answer the following questions in brief : **4×4=16**
- (a) Explain different precursors to cloud computing.
 - (b) Explain content delivery services in brief.
 - (c) Explain the following in Python with suitable examples : 'range', 'pass', 'in' and 'is'.
 - (d) Explain recursion in Python with an example.

Unit I

2. (a) Define cloud computing. Explain main characteristics of cloud computer. **8**
- (b) What is Virtualization ? Explain benefits and limitations of virtualization. **8**

3. (a) Explain any *two* virtualization technologies in detail. 8
- (b) Explain the following virtualization : 8
- (i) Operating system (ii) Platform.

Unit II

4. (a) What is queuing service ? Explain any *two* queuing services. 8
- (b) What is deployment and management service ? Explain any *one* such service in detail. 8
5. (a) What is e-mail service ? Explain any *one* e-mail service. 8
- (b) What is Multimedia Cloud Computing (MCC) ? Explain different types of streaming protocols used in MCC. 8

Unit III

6. (a) What is List in Python ? Explain any *three* methods associated with list by giving examples. 8
- (b) What is Dictionary in Python ? Explain any *three* methods associated with Dictionary with examples. 8

7. (a) How can you read and write files in Python ?
Explain with an example. 8
- (b) How can you create class and objects in Python ?
Explain with an example. 8

Unit IV

8. (a) What is lambda function in Python ? Explain its
use by giving two different examples. 8
- (b) Distinguish between iterators and generator in
Python. Give one example of each. 8
9. Write short notes on the following packages : 8,8
- (a) Django (b) Numpy.

