

Roll No.....

Total Pages: 2
10455

CMCA/D-17
CLOUD CPMPUTING
Paper: MCA-14-55(v)

Time: Three Hours

Maximum Marks: 80

Note: Attempt five questions in all. Question No. 1 is compulsory. In addition to compulsory question, attempt four more questions selecting one question from each unit. All questions carry equal marks.

Compulsory Question

1. Answer the following questions in brief :

- (a) Explain the terms cloud computing. Web 2.0 grid computing and autonomic computing.
- (b) Distinguish between federated and multimedia cloud computin
- (c) Differentiate between Python module and packages.
- (d) Explain the use Numpy package in cloud application development.

UNIT-I

- 2. (a) What are PaaS & IaaS? Explain their characteristics and benefits.
- (b) Explain the different operational and economic benefits of using clouds.
- 3. What is the need of virtualization? Explain the platform, CPU, Memory and Network virtualization in detail.

UNIT-II

- 4. (a) What are Compute and Identity & Access Management Services on cloud? Explain.
- (b) What are Content Delivery Services on cloud? Explain the working of Content Delivery Networks.
- 5. (a) Explain the architecture of Federated Cloud Computing. Also, explain layers enhancement of federation.

- (b) What is Multimedia Cloud reference model? Discuss RTMP streaming protocols.

UNIT-III

6. (a) Differentiate between lists and Dictionaries in Python.
(b) How can you create classes and objects in Python? Explain with an example.
7. Describe the Control flow statements and Looping constructs in Python with suitable examples.

UNIT-IV

8. Write short notes on JSON and Django packages in Python with suitable examples.
9. (a) What do you mean by Iterators in Python? What are the applications of Iterators?
(b) Why Python is called Scripting as well as Programming Language? Explain using Suitable examples.