

Roll No.

Exam Code : M-24

Subject Code—61449

B.Sc. EXAMINATION

(Main/Reappear)

(Batch 2019 Onwards)

(Sixth Semester)

COMPUTER APPLICATIONS

CCaL-604

Cloud Computing (Course-IV)

Time : 3 Hours

Maximum Marks : 80

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

1. (a) What is cloud computing ? Give a formal definition as per NIST. 2
- (b) Compare Distributed Computing with Parallel Computing. 2

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- (c) Define Infrastructure as a Service. 2
- (d) Differentiate Cloud Computing and Internet. 2
- (e) Why is API necessary in cloud computing ? 2
- (f) What is selection criterion for private cloud deployment model ? 2
- (g) What is SSL ? 2
- (h) Differentiate between a SOA and a Web service. 3
- (i) What do you mean by VPN ? What does it contain ? 3

Unit I

- 2. What makes cloud computing so interesting in current era ? Also explain its advantages and disadvantages in detail. 15

3. Why is it necessary to understand the various computing paradigms ? Differentiate client server computing and peer to peer computing.
15

Unit II

4. What are the functions of Cloud computing ? Which cloud service model deals with providing storage, network, servers and virtualization of resources ? Justify your answer.
15
5. Design the architecture of PaaS and IaaS in cloud computing. Also, explain the different categories of PaaS and IaaS with example.
15

Unit III

6. What are the cloud deployment models ? Explain all three types of models with the help of diagram.
15

7. What is cloud migration ? Explain its strategy, processes, benefits and risks. 15

Unit IV

8. Explain cloud services development services and tools in detail. 15
9. What is the importance of cloud computing in business growth ? Explain various business opportunities using cloud computing. 15