

UNIT – IV

8. (i) Discuss, in detail, the cloud security reference model and explain how cloud security is integrated into the design of application. 8
- (ii) Discuss the principles of security in cloud computing. 8
9. Explain the following : 16
- (i) Digital Signatures
- (ii) Google Cloud Platform

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Roll No.

67062-N

MCA 2nd Semester 2 yr. Course
(w. e. f. 2020-21)

Examination – July, 2022

CLOUD COMPUTING

Paper : 20MCA22DB1

Time : Three hours]

[Maximum Marks : 80

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt five questions in all, Question Number 1 is compulsory. In addition to compulsory question, student has to attempt four more questions selecting one question from each Unit.

1. (i) Distinguish between Internet and Cloud Computing.
- (ii) Why hypervisor is needed in virtualization ?
- (iii) Differentiate Cloud Computing and Internet.
- (iv) How do multi-tenancy advantageous to the success of cloud computing ?

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(v) What is resource pooling and rapid elasticity ?

(vi) What is the selection criterion for private cloud deployment model ?

(vii) Write any two characteristics of public cloud and hybrid cloud.

(viii) Enlist the services that are provided by IBM Smart Cloud. 8 × 2

UNIT – I

2. (i) Define cloud computing. Enlist the characteristics and benefits of cloud computing. 8

(ii) Explain cluster computing with suitable diagram as well as explain its various applications in different areas. 8

3. (i) Explain different cloud deployment models with the help of diagram and enlist their benefits and limitations while implementing an application. 8

(ii) What are the advantages of "Software as a Service" (SaaS) ? Explain with example. 8

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UNIT – II

4. (i) Explain the different types of hardware virtualization techniques & their benefits. 8

(ii) In context of performance enhancement, explain the concept of load balancing in cloud computing. 8

5. (i) Explain the architecture of Amazon web service (AWS) with the help of diagram. Enlist its various applications in different fields. 8

(ii) Outline the various objectives, benefits and limitation of virtualization. 8

UNIT – III

6. (i) Draw the framework of common cloud management platform reference architecture and explain its components. 8

(ii) What is the selection criterion for private cloud deployment model ? 8

7. (i) Discuss service oriented architecture (SOA) with its advantages and disadvantages. 8

(ii) Discuss about different databases and data stores in cloud. Also discuss SLA with its benefits and limitations. 8

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