

Roll No. _____

Total No. of Questions : 9 | Total No. of Pages : 3

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MCA 5th Semester (Regular)

Examination, February-2022

(OBCS Scheme Current sec/ 2018-19)

Paper- IBMCA55DA1

CLOUD COMPUTING

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, selecting one question from each Unit. Q. No. 1 is compulsory. All questions carry equal marks.

Compulsory Question

1. (a) What are cloud security challenges ?
- (b) What do you mean by SOA ?
- (c) What are web services ?
- (d) What is Cloud-based big data analytics ?

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(1)

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- (e) What do you understand by security management in Cloud ?
- (f) What is the concept of load balancing ?
- (g) What is Amazon EC2 ?
- (h) What do you understand by security management in Cloud ? 2×8=16

Unit-1

- 2. (a) What is Cloud Computing ? How is it relevant in the context of Social Networks ?
Illustrate
- (b) Differentiate between Private and Public Clouds. 8,8

- 3. Explain the following :
 - (a) Cluster Computing and its relevance
 - (b) Cloud Architecture 8,8

Unit-II

- 4. What is Virtualization ? What are its objectives ?
What are various types of virtualization ?
Discuss their relevance. 16 each
- 5. What do you mean by Cloud Services ? How cloud computing services models are significant ?
What is the relevance of these services models ?
Illustrate.

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Unit-III

- 6. (a) What do you understand by Service Level Agreement (SLA) ? What is its significance ? Illustrate
- (b) What do you mean by scalability ? What is its relevance in cloud services ? How is it achieved ? Illustrate 8,8
- 7. How do you compare AWS, Azure and Google cloud platform ? Illustrate each of these highlighting their suitability with justification. 16

Unit-IV

- 8. What is cloud security ? What are the major security priorities in Cloud Computing ? What threats may be caused in a cloud computing environment ? How are these addressed ?
Illustrate. 16
- 9. Explain the following :
 - (a) Eucalyptus Cloud Platform
 - (b) Design of Secure Cloud Architecture 8,8

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