

67062-N

MCA 2nd Semester 2 Year Course
(w.e.f. 2020-21) Examination, May-2023

CLOUD COMPUTING

Paper-20MCA22DB1

Time allowed : 3 hours]

[Maximum marks : 80

Note: Attempt five questions in all. Question No. 1 is compulsory and select four more questions from the rest, selecting one question from each Unit. All questions carry equal marks.

1. (a) What is Eucalyptus?
(b) What is SOA?
(c) What are Cloudlets?
(d) What is the concept of scalability?
(e) What is Amazon EC2?
(f) What is grid computing?
(g) What is significance of CaaS?
(h) What is NFV? State its significance. $8 \times 2 = 16$

Unit-I

2. (a) What is cloud computing? What are uses and applications of cloud computing? Illustrate through suitable examples. 8
(b) What is cloud computing architecture? What are its main components? Illustrate. 8

67062-N-P-3-Q-9 (23)

[P. T. O.]

(2)

67062-N

3. Explain the following:
- (a) Cloud cube model 6
 - (b) Cloud deployment models 10

Unit-II

4. (a) What is virtualization? What are its objectives? What are its benefits? Illustrate its significance. 10
- (b) What is Hypervisor? What are its types? Discuss their relevance. 6
5. Explain the following:
- (a) Software Defined Networking (SDN) 8
 - (b) Load balancing 4
 - (c) AMI 4

Unit-III

6. What are service level agreements (SLA)? What are SLA types? How do these differ? How are these managed? Illustrate their pros and cons. 16
7. Explain the following:
- (a) Large Scale Data Processing 8
 - (b) Cloud services lifecycle management 8

67062-N

(3)

67062-N

Unit-IV

8. (a) What are security issues in Cloud Computing? What are threats in a cloud computing environment? Illustrate. 8
- (b) What are different cloud security approaches? How do these help? Illustrate. 8
9. Illustrate the following services provided by cloud:
- (a) Cloud Contracting Model 8
 - (b) Cloud Security Models 8

67062-N