

[This question paper contains 2 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 7160

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Unique Paper Code : 6333490011

Name of the Paper : Cloud Computing Security (NEP UGCF)

Name of the Course : **B.Voc (Web Designing)**

Semester : VIII

Duration : 3 Hours

Maximum Marks : 90

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Question No. 1 is compulsory in Section-A.
3. Attempt any four questions from Section-B.
4. Parts of a question should be attempted together.

Section A

- Q1. a) Define SaaS with an example. (3)
- b) Differentiate between public and community cloud. (3)
- c) List any four advantages of cloud computing. (4)
- d) Explain cloud deployment models briefly. (4)
- e) Define integrity in cloud security. (4)
- f) Explain secure execution environments. (4)
- g) List any three cloud service provider risks. (4)
- h) Describe identity and access management (IAM). (4)

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Section B

- Q2. a) Describe cloud computing fundamentals and its benefits. (8)
b) Discuss cloud security services and their role in protecting systems. (7)
- Q3. a) Explain different components of cloud architecture (8)
b) Explain secure development practices in cloud computing. (7)
- Q4. a) Analyze threats to cloud infrastructure and data security. (8)
b) Discuss compliance issues in cloud computing environments. (7)
- Q5. a) Explain trusted cloud computing and its significance. (8)
b) Describe various access control issues in cloud systems. (7)
- Q6. a) Discuss autonomic security mechanisms in cloud computing. (8)
b) Explain cloud service provider risks and mitigation strategies. (7)
- Q7. Explain the Following terms :- (3×5)
a. Virtualization
b. Security objectives in cloud
c. Advantages of Cloud Computing