6E1560

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B.Tech. VI-Sem. (Main/Back) Examination, June - 2022
Computer Sc. & Engg.
6CS4-06 Cloud Computing

Time : 3 Hours

Maximum Marks : 120
Min. Passing Marks : 42

Instructions to Candidates:

Attempt All Ten questions from Part A. Five questions out of Seven from Part B and four questions out of five from Part C.

Schematic diagrams must be shown wherever necessary. Any data you feel missing suitably be assumed and stated clearly. Units of quantities used/calculated must be stated clearly.

Use of following supporting material is permitted during examination. (Mentioned in form No. 205).

PART - A

(Answer should be given up to 25 words only)

(All questions are compulsory)   (10×2=20)

1. Define Cloud Computing.

2. Write the name of top ten obstacles and opportunities for adoption and growth of cloud computing?

3. Write the advantages of SaaS.

4. Why should one prefer public cloud over private cloud?

5. What are the main features of cloud computing?

6. How many types of deployment models are used in cloud?

7. Explain hybrid cloud?

8. Mention platforms which are used for large scale cloud computing?

9. What is the difference in cloud computing and computing for mobiles?

10. What are the security aspects provided with cloud?

PART - B

(Analytical/Problem Solving Questions)

(Attempt any Five questions) (5×8=40)

1. What is Amazon SQS? How buffer is used to Amazon web services?

2. Mention what is Hypervisor in cloud computing and their types?

3. What is a cloud service? As a infrastructure as a service what are the resources that are provided by it? Explain.

4. In cloud computing what are the different layers? Explain Also How important is the platform as a service?

5. Define cloud architecture? What are the characteristics of cloud architecture that separates it from traditional one?

6. What is google app engine? In cloud computing explain the role of performance cloud.

7. State the limitation of virtualization. What is the goal of encrypted cloud storage?

PART - C

(Descriptive/Analytical/Problem Solving/Design Questions)

(Attempt any Four questions) (4×15=60)

1. a) Explain briefly the security concerns of cloud computing. (8)

   b) Write a short note on origins of cloud computing. (7)

2. Discuss the regulatory issues of cloud computing & the government policies.

3. a) Explain in detail about cloud delivery model. https://www.rtuonline.com

   b) Discuss the operational and economic benefits of SaaS. (8)

4. a) Explain in detail the various aspects for the need of virtualization in cloud computing? (9)

   b) Explain briefly about virtual threats. (6)

5. Write a short notes on:

   a) Software Virtualization

   b) Network Virtualization

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