

Code No: R194105G

**R19**

**Set No. 1**

**IV B.Tech I Semester Advance Supplementary Examinations, March– 2023**

**CLOUD COMPUTING**

**(Common to Computer Science & Engineering and Information Technology)**

**Time: 3 hours**

**Max. Marks: 75**

*Answer any FIVE Questions  
ONE Question from Each unit  
All Questions Carry Equal Marks*

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**UNIT I**

- 1 a) What is network centric computing and how does it differ from traditional computing? [7]  
b) Explain different cloud computing delivery models and services. [8]  
(OR)
- 2 a) Write the examples of network centric content and how is it delivered. [7]  
b) List out the major challenges faced in cloud computing. [8]

**UNIT II**

- 3 a) Compare and contrast the cloud infrastructure offered by Amazon, Google, Microsoft Windows Azure, and open-source software platforms. [7]  
b) Discuss the concept of inter-cloud and the benefits it provides for cloud computing. [8]  
(OR)
- 4 a) Analyze the environmental impact of cloud computing, specifically with regards to energy use and ecological impact. What can be done to reduce this impact? [7]  
b) What are the legal and ethical issues associated with cloud computing? How can these issues be addressed? [8]

**UNIT III**

- 5 a) How does coordination help in resource bundling and scheduling algorithms? [7]  
b) How does hardware support improve virtualization performance and security isolation? [8]  
(OR)
- 6 a) Discuss the challenges of resource management and dynamic application scaling in cloud computing. What are the strategies used to address these challenges? [7]  
b) Explain the concept of feedback control based on dynamic thresholds in cloud resource management. [8]



**UNIT IV**

- 7 a) What is the evolution of storage technology? How has it impacted storage models? [7]  
b) Discuss the role of privacy and trust in cloud security. What are some best practices for ensuring security in the cloud environment? [8]

(OR)

- 8 a) Compare and contrast file systems and database storage models. What are the advantages and disadvantages of each? [7]  
b) Explain the concept of Big Table and its implementation in Google. What are its use cases? [8]

**UNIT V**

- 9 a) What is Amazon Web Services (AWS) EC2 and what are the different instances available? [7]  
b) How can you use AWS S3 in a Java application? [8]

(OR)

- 10 a) How do you connect clients to AWS EC2 instances, and what are the security rules you need to consider? [7]  
b) What is Google App Engine, and what are the features it offers? [8]

