

<b>SEMESTER EXAMINATION-2021</b>	
<b>CLASS – B.TECH/CSE/5<sup>TH</sup> SEM</b>	
<b>SUBJECT – CLOUD COMPUTING</b>	
<b>PAPER CODE: BCE-C514 PAPER TITLE - CLOUD COMPUTING</b>	
<b>TIME: 3 HOUR</b>	<b>MAX. MARKS: 70 MIN. PASS: 40%</b>
<b>NOTE: QUESTION PAPER IS DIVIDED INTO TWO SECTIONS: A AND B. ATTEMPT BOTH THE SECTIONS AS PER GIVEN INSTRUCTIONS.</b>	
<b>SECTION-A (SHORT ANSWER TYPE QUESTIONS)</b>	
<b>INSTRUCTIONS: ANSWER ANY FIVE QUESTIONS IN ABOUT 150 WORDS EACH. EACH QUESTION CARRIES SIX MARKS.</b>	
<b>(5 X 6 = 30 MARKS)</b>	
<b>Question-1:</b>	What is multi-tenancy and its advantages?
<b>Question-2:</b>	Define VMM. Explain various types of virtualizations in detail.
<b>Question-3:</b>	Brief on Relational operation using Map-Reduce.
<b>Question-4:</b>	Why is API necessary in cloud computing?
<b>Question-5:</b>	Write different types of internal security breaches in cloud computing. Also, explain the steps to reduce cloud security breaches.
<b>Question-6:</b>	What is the difference between scalability and elasticity?
<b>Question-7:</b>	Explain Identity-as-a-service in detail.
<b>Question-8:</b>	Define cloud computing? List out characteristics of cloud computing?
<b>Question-9:</b>	Discuss the following concepts in the context of cloud computing: a) Billing and Metering Services b) Tooling and automation
<b>Question-10:</b>	What are the different layers that define cloud architecture?

<b>SECTION-B (LONG ANSWER TYPE QUESTIONS)</b>	
<b>INSTRUCTIONS: ANSWER ANY FOUR QUESTIONS IN DETAIL. EACH QUESTION CARRIES 10 MARKS.</b>	
<b>(4 X 10 = 40 MARKS)</b>	
<b>Question-11:</b>	a) What are the benefits of Private Cloud? b) Explain in detail Software as a service (SaaS)?
<b>Question-12:</b>	Explain the cloud deployment models in detail. Also, outline their advantages and disadvantages while implementing an application.
<b>Question-13:</b>	What do you understand by hypervisors? How does cloud model provide virtualization?
<b>Question-14:</b>	Write short notes on: (i) Digital Certificate (ii) SSL
<b>Question-15:</b>	a) What are the disadvantages of virtualization? b) What is IAAS? Explain its advantages and disadvantages.
<b>Question-16:</b>	What do you understand by hypervisors? How does cloud model provide virtualization?
<b>Question-17:</b>	What is storage as a service? Differentiate between traditional storage and storage cloud.
<b>Question-18:</b>	Write a note on: a) Google Cloud platform b) Amazon Web Service

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