

SCHOOL OF COMPUTER SCIENCE ENGINEERING  
CONTINUOUS ASSESSMENT TEST - I  
WINTER SEMESTER 2024-2025

SLOT: A1

Programme Name & Branch : M.Tech ( Integrated Software Engineering)  
Course Code and Course Name : SWE4002; Cloud Computing  
Faculty Name(s) : Prof. Asha M M, Prof. CH V N U Bharathi  
Class Number(s) : VL2024250503201, VL2024250503208  
Date of Examination : 27-01-2025  
Exam Duration : 90 minutes Maximum Marks: 50

General instruction(s):

- Answer All Questions

CO1: Understand cloud services and cloud deployment models

CO2: Use to test techniques and skills for cloud services

Q. No	Question	M	CO	BL
1. <i>Yes</i>	You need to create a web service for a retail system and make it discoverable for other businesses. How would you use the components of web service together to design, deploy, and register this type of service?	10	1	3
2. <i>2</i>	Discuss in detail about NIST cloud computing reference architecture with a neat sketch.	10	1	1
3. <i>0</i>	Your company is transitioning to a fully remote work environment and adopting cloud-based tools for collaboration, file storage, and video conferencing. How can the company leverage the key characteristics of cloud computing to successfully implement and manage this remote work transition?	10	2	2
4. <i>2/3</i>	Your team is building a food delivery app that requires user authentication, database management, and real-time order tracking. With limited resources for managing infrastructure, you want a solution that allows you to focus on development without worrying about hardware setup. Which cloud service model is most suitable for your team in this scenario, and why? <i>IaaS</i>	10	2	4
5. <i>2</i>	A healthcare organization wants to deploy a patient management system. The system must handle sensitive patient data securely, comply with strict regulations, and provide access to authorized personnel across multiple locations. The organization also wants to maintain control over the infrastructure while minimizing costs. Which cloud deployment model is most suitable for this scenario, and why? <i>Private IaaS</i>	10	2	4

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