

6TH SEM. /CS&E / IT/ 2024(S)

Th-3 Cloud Computing

Full Marks: 80

Time- 3 Hrs

Answer any five Questions including Q No.1& 2
Figures in the right hand margin indicates marks

1. Answer **All** questions 2 x 10
 - a. Define SSO.
 - b. What is VPN tunnelling?
 - c. What do you mean by resilience?
 - d. How does cloud storage work?
 - e. Name the cloud providers who offer load balancing service.
 - f. State the difference between RTO & RPO.
 - g. Define DaaS. Where can it be used?
 - h. State the difference between SAN & NAS.
 - i. What are deterrent controls?
 - j. Name the cloud provider who offers SaaS, PaaS & IaaS.
2. Answer **Any Six** Questions 6 x 5
 - a. Differentiate between cloud & data centre.
 - b. Describe the evolution of cloud technologies.
 - c. Explain the cloud computing architecture briefly.
 - d. Differentiate between public cloud & private cloud.
 - e. Why is cloud scalable? Explain the benefits of cloud scalability.
 - f. Classify the types of server virtualization.
 - g. Define policy implementation. Classify the types of policy.
3. Briefly describe the Hadoop architecture with suitable diagram. 10
4. Describe the principles of cloud security architecture. 10
5. What are the challenges faced by cloud computing security? 10
Explain briefly.
6. Define VMM. Explain the benefits of hypervisor. Classify the types 10
of hypervisor with advantages & disadvantages.
7. Define map reduce. Illustrate the map reduce architecture. 10