



R20 Regulation

Subject code:3E6HD

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech VI Semester Supplementary Examinations, May 2025

**CLOUD COMPUTING
(CSE(DS))**

Maximum Marks: 70

Date:23.06.2025

Duration: 3 hours

- Note: 1.This question paper contains two parts A and B.
2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
3. Part B consists of 5 Units. Answer any one full question from each unit.
4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks (10X2M=20 Marks)		Marks	CO	BTL
1	Differentiate between parallel and distributed computing Paradigms.	2M	1	L1
2	Define Virtual Machines.	2M	1	L1
3	Write on desired features of a Cloud..	2M	2	L1
4	Write on 'integration as a Service' in cloud?	2M	2	L1
5	What is T-Systems?	2M	3	L1
6	Write about Software as a service (SAAS) in cloud.	2M	3	L1
7	What are the business benefits of cloud computing?	2M	4	L1
8	Write about Virtual administration in cloud.	2M	4	L1
9	Define data Interoperability in cloud.	2M	5	L1
10	What is software Vulnerability and Breaches in cloud.	2M	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	BTL
11	With respect to cloud computing, list and explain the distribution system models.	10M	1	L2
OR				
12	a) How Transparency in Programming Environments separates in Cloud Computing?	5M	1	L2
	b) Discuss the Feature Comparison of Three Distributed Operating Systems.	5M		
13	a) What are the Broad Approaches to Migrate into the Cloud?	5M	2	L2
	b) Explain the Evolution of SaaS.	5M		
OR				
14	Discuss the factors influenced to migration into cloud.	10M	2	L2
15	Explain about work flow engines for cloud computing.	10M	3	L2
OR				
16	How cloud provides Infrastructure as a service (IAAS)? Explain.	10M	3	L2

17	a) Explain a model for federal cloud computing. b) Explain the best practices to build an application on cloud.	5M 5M	4	L2
	OR			
18	a) What are the External threats and Internal threats of virtualization infrastructure. b) Elucidate SLA management in cloud.	5M 5M	4	L2
19	a) Explain the Organizational Readiness Self-Assessment. b) Describe the Lewin's Change Management Model..	5M 5M	5	L2
	OR			
20	a) Distinguish Cloud Computing from Outsourcing and Provision of Application Services. b) Explain the Cloud service lifecycle.	5M 5M	5	L2