

THE KAVERY ENGINEERING COLLEGE*(An Autonomous Institution)***UG/PG DEGREE END SEMESTER THEORY EXAMINATIONS, APRIL-MAY 2026***Eighth Semester**Computer Science and Engineering***CCS367 – STORAGE TECHNOLOGIES***Regulations – 2021***Duration : 3 Hrs****Maximum : 100 Marks****PART – A(ANSWER ALL QUESTIONS) (Marks 10*2=20)**

Q.No	Questions	BLT	CO	Marks
1.	List the core elements of data center infrastructure.	L1	1	2
2.	How does SDDC differ from traditional data center.	L2	1	2
3.	Summarize the benefits of cache vaulting.	L1	2	2
4.	Outline the significance of different RAID levels.	L2	2	2
5.	Compare single-mode fiber and multimode fiber.	L2	3	2
6.	What are the features of bridged iSCSI?	L1	3	2
7.	Outline the significance of measuring the information availability in data centre.	L2	4	2
8.	Describe the risks and benefits of big bang migration.	L2	4	2
9.	Extend the need for securing an application access domain.	L2	5	2
10.	How do organizations implement an effective GRC strategy?	L2	5	2

PART – B (ANSWER ALL QUESTIONS) (Marks 5*16 = 80)

Q.No	Questions	BLT	CO	Marks
11.	a Explain the various cloud deployment models with suitable example.	L2	1	16
	Or			
	b Outline the necessary steps needed for implementing third platform transformation.	L2	1	16
12.	a Construct Intelligent Storage System architecture for online food ordering portal and explain the significance of each component in the system.	L3	2	16
	Or			
	b i Identify the causes that influence the performance of hard disk drives and solid state drives.	L3	2	8
	ii Compare the features of scale up and scale out storage architecture.	L3	2	8
13.	a i Illustrate the detailed architecture of FC SAN.	L2	3	8
	ii Discuss how the virtualization is implemented in FC SAN.	L2	3	8
	Or			
	b i Explain the various components of FCoE SAN.	L2	3	7
	ii Describe the characteristics of FCIP protocol and iSCSI protocol.	L2	3	9
14.	a i Analyze the impact of Business Continuity plan in an organization.	L4	4	8
	ii Compare the cloud based and mobile device based backup processes.	L4	4	8
	Or			
	b Analyze the risks associated with the various types of replications based on their characteristics and uses.	L4	4	16

15.	a	i	Choose the appropriate security controls to protect the storage infrastructure.	L2	5	10
		ii	Identify the key functions of storage infrastructure management.	L2	5	6
			Or			
	b		Explain in detail the various processes involved in storage infrastructure management.	L2	5	16
