				Reg	. No.									
			Question Paper	Code	1	12264	4							
	M.E. / M.Tech DEGREE EXAMINATIONS, NOV / DEC 2023													
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			M.E Computer	Science	and	Engi	neer	ing						
20PCNEL308 - INFORMATION STORAGE MANAGEMENT														
	(Regulations 2020)													
-									. Ma	larks: 100				
	PART - A (10 × 2 = 20 Marks) Answer ALL Questions													
			Allswei	ALL Q	uestio	15							Marks,	
1.	Det	fine scalabilit	у.										Level, CO K1,CO1	
2.	Outline the need for Storage Array.											2,	K1,CO1	
3.	Summarize the need of zone bit recording.											2,K2,CO2		
4.	Describe the term rotational latency.											2,	K1,CO2	
5.	Compare the topologies of FC-SAN, IP-SAN.											2,K2,CO3		
6.	List the three types of zoning.											2,	K1,CO3	
7.	Interpret the function of clustering in minimizing RTO.											2,	K2,CO4	
8.	Define MTTR.											2,	K1,CO4	
9.	What are the key management activities of a data center?										2,K1,CO5			
10.	. State the purpose of Information Security.											2,	K1,CO5	
PART - B (5 × 13 = 65 Marks)														
			Answer	ALL Q	uestion	ns								
11.	a)	Explain abo	ut Data Center Infr	astructu	re in d	letail	•					13	,K2,CO1	
				OR										
	b) (i) Infer the need of Information Storage and also explain how critic								itical	[7,	K2,CO1			
	they are in day-to-day Operations. (ii) Discuss the factors which are needed to set a Data Center.										6,	K2,CO1		
					.04 10	beru	Dut	uee						
12.	a)		e various Technol Components.	logies ii	nvolve	ed in	the	e de	velop	ome	nt of	f 13	,K2,CO2	
OR														
	b)	Explain in c	letail about differen	t levels	of RA	ID.						13	,K2,CO2	
13.	a)	What is FC-	SAN? Explain the	compon	ents o	f FC	SAI	N in:	frastı	ructi	ure.	13	,K2,CO3	
				OR										
Kl –	Reme	ember; K2 – Un	derstand; K3 – Apply;	K4 – Anal 1	lyze; K.	5 - Ev	alua	te; K	6 – Ci	reate	!	12.	264	

- b) Explain about CAS architecture with neat diagram.
- 14. a) (i) Compare business continuity (BC) and disaster recovery (DR). 7,K2,CO4
 - (ii) Explain the Architecture of backup/recovery and the 6,K2,CO4 different topologies of a storage system.

13.K2.CO3

OR

- b) List and explain the considerations in using tape as the backup ^{13,K2,CO4} technology. Describe the benefits of using "virtual Tape library" over physical tapes.
- 15. a) Discuss in detail about storage Management activities. 13,K2,C05

OR

b) Identify and examine the need of critical security attributes for 13,K2,CO5 information system.

PART - C $(1 \times 15 = 15 \text{ Marks})$

16. a) Analyze in detail about Virtualization technologies. 15,K4,CO6

OR

b) Explain in detail about a Remote application framework for a ^{15,K4,CO6} "Banking System" and also State the functional requirements which are Considering for the system.