

**University of Mumbai**  
**Examination 2020 under cluster 4 (PCE)**

Program: BE Information Technology

Curriculum Scheme: Rev2016

Examination: Fourth Year Semester VII

Course Code: ITDLO7031 and Course Name: Storage Area Network

Time: 1 hour

Max. Marks: 50

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Note to the students:- All the Questions are compulsory and carry equal marks .

Q1.	Which of the following component of cache memory stores the actual data
Option A:	Data Store
Option B:	LRU
Option C:	tag RAM
Option D:	MRU
Q2.	Which layer of fiber channel is in physical layer, includes cabling, connectors etc.
Option A:	FC-1
Option B:	FC-2
Option C:	FC- 0
Option D:	FC-3
Q3.	CIFS authentication is done by
Option A:	LDAP
Option B:	SMB
Option C:	NIS
Option D:	Kerberos
Q4.	Which login helps to establish connection between two N ports
Option A:	WWNs
Option B:	Fabric Login
Option C:	Process Login
Option D:	N port Login
Q5.	In storage computing, the amount of processing that the computer has been given to do at a given time is known as?
Option A:	Drive Planning
Option B:	Tiered Storage
Option C:	Workload
Option D:	Storage Planning
Q6.	The actual maximum amount of data that could be lost with current backup and recovery options is known as
Option A:	Recovery Time
Option B:	Business Continuity Planning
Option C:	Recovery Point
Option D:	Backup Planning
Q7.	Which layer of fiber channel is known as common services layer

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Option A:	FC-4
Option B:	FC-3
Option C:	FC-1
Option D:	FC-0
Q8.	Which of the following command is used to view NFS shared directories
Option A:	Sharetab
Option B:	Shareall
Option C:	dfShare
Option D:	Share
Q9.	Which of the following cache management algorithm frees the pages that have been accessed most recently in cache memory
Option A:	LRU
Option B:	Cache Vaulting
Option C:	Cache Mirroring
Option D:	MRU
Q10.	In information availability term which defines the time window during which information should be accessed
Option A:	Reliability
Option B:	Accessibility
Option C:	Timeliness
Option D:	Availability
Q11.	Video editing applications which needs very low latency and very high data transfer rates, which of the following storage technology can be used for above said use case
Option A:	SAN
Option B:	DAS
Option C:	Secondary Memory
Option D:	NFS
Q12.	Which of the following port can be configured automatically as per their usage in FC switches
Option A:	N-Port
Option B:	F-Port
Option C:	FL-Port
Option D:	G-Port
Q13.	Which of the following is Nested RAID
Option A:	RAID 0
Option B:	RAID 0+1
Option C:	RAID 1
Option D:	RAID3
Q14.	A collection of contiguous frames and hence a bigger amount of data is sent or transferred from a transmitter port to a receiver port
Option A:	Exchange

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Option B:	Frame
Option C:	Sequence
Option D:	Clustered NAS
Q15.	Which protocol is used to transport data between network attached storage (NAS) devices and backup devices?
Option A:	NDMP
Option B:	NFS
Option C:	ISCSI
Option D:	SATA
Q16.	Which layer in FCP realises flow control
Option A:	FC 2
Option B:	FC3
Option C:	FC 0
Option D:	FC 4
Q17.	What is the minimum number of disks required for RAID 1
Option A:	1
Option B:	2
Option C:	5
Option D:	4
Q18.	Which of the following acts as an intermediate layer between OS file system and also the actual hard disk in basic filesystem
Option A:	Volume Manager
Option B:	Snapshot
Option C:	Instant Copy
Option D:	Journaling
Q19.	The process of taking an existing base LUN and Appending additional component LUNs to increase capacity is known as
Option A:	Striped LUN
Option B:	Meta LUN
Option C:	Concatenated LUN
Option D:	LUN
Q20.	Which of the following storage architecture server maintains a dedicated, non-shared LUN, that allows servers to safely share data by providing file-level access?
Option A:	DAS
Option B:	SAN
Option C:	NAS
Option D:	FCP
Q21.	Which one of these is characteristic of RAID 5?
Option A:	Distributed Parity
Option B:	No Parity

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Option C:	Single Parity
Option D:	Humming Code
Q22.	Which of the following is used to connect to FC switches
Option A:	FL_Port
Option B:	F_port
Option C:	E-Port
Option D:	G-Port
Q23.	The file access protocols are the primary feature of.....
Option A:	SAN
Option B:	DAS
Option C:	Application server
Option D:	NAS
Q24.	The RAID type that doesn't use parity for data protection is
Option A:	RAID 4
Option B:	RAID 1
Option C:	RAID 5
Option D:	RAID 6
Q25.	Which is the switch port which connects to both arbitrated loops and switches
Option A:	FL_Port
Option B:	F_port
Option C:	E_Port
Option D:	G_Port

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<b>Question</b>	<b>Correct Option (Enter either 'A' or 'B' or 'C' or 'D')</b>
Q1.	A
Q2.	C
Q3.	D
Q4	D
Q5	C
Q6	C
Q7	B
Q8.	C
Q9.	D
Q10.	C
Q11.	A
Q12.	D
Q13.	B
Q14.	C
Q15.	A
Q16.	A
Q17.	B
Q18.	A
Q19.	C
Q20.	B
Q21.	A
Q22.	C
Q23.	D
Q24.	B
Q25.	A