

Reg.No. _____



Karunya UNIVERSITY

(Karunya Institute of Technology & Sciences)
(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

End Semester Examination – Nov/Dec – 2016

Code : **14CS2065**
Sub. Name : **Storage Area Network**

Semester : **2016-17 ODD**
Duration : **3hrs**
Max. marks : **100**

ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)

Q. No.	Sub Div.	Questions	Course Outcome	Marks
1.	a.	Justify the statement “ <i>Hardware makes SAN possible; Software makes SANs happen</i> ”.	CO1	10
	b.	Discuss about the various generation of computing architectures that overcame the barriers in digitizing the data to users and now has evolved as a technology with interactivity, responsiveness and adaptability as the usability aspects for accessible and timely conduct of business.	CO1	10
(OR)				
2.	a.	SANs enable any-to-any connectivity between servers and storage devices improving the ability of organizations to move their data and thus enabling a paradigm shifts .Explain the paradigm shift changes that can lower information processing capital costs through increased device and capacity sharing as well as through more efficient communications.	CO2	20
3.	a.	Describe in detail the different ways in which SAN technology can be used to improve backup in general and also in particular the enterprise client/server backup.	CO2	20
(OR)				
4.	a.	Discuss about the component faults that can result in data availability loss and how RAID subsystem engineers have designed the online storage to protect against them.	CO2	20
5.	a.	Elucidate the standards,components,interconnects,and protocol that consititue Fibre Channel which is dominant SAN interconnect technology.	CO2	20
(OR)				
6.	a.	Explain the two main techniques for improving disk access speed for I/O intensive applications.	CO3	10
	b.	A volume manager is an important data availability tool.Justify	CO4	10
7.	a.	Discuss about different types of replication and its advantages with necessary diagrams and examples.	CO4	20
(OR)				
8.	a.	Illustrate the need of enterprise backup architecture and its policies with relevant examples and neat sketches.	CO4	20
<u>Compulsory:</u>				
9.	a.	Elobrate the nine steps of preferred approach in planning and implemenmtng an enterprise information processing strategy towards successful SAN deployment	CO4	20

ALL THE BEST