Total No. of Questions : 6]		SEAT No.:
P4345	[4040] 1212	[Total I

[Total No. of Pages :2 [4860]-1313

M.E. (Computer Engineering)

ADV	VANCED STORAGE SYSTEMS AND INFRASTRUCTURE MANAGEMENT	
	(610101) (2013 Credit Pattern) (Semester -III)	
Time : 3 H	Hours] [Max. Marks	: 50
Instructio	ons to the candidates:	
1)	Attempt any five questions.	
2)	Neat diagrams must be drawn wherever necessary.	
3)	Figures to the right side indicate full marks.	
Q1) a)	The average I/O size of an application is 128 KB. The follow specifications are available from the disk manufacture: average se time = 3ms, 8,400 RPM, transfer rate = 40 MB/s. Determine the maxim IOPS that could be performed with this disk for this application.	eks
b)	Explain the terms Idle flushing, High Watermark flushing and For flushing in relevance to cache watermarking.	ced [5]
Q2) a)	What are the factors that affect the performance and availability of NA Explain.	AS? [5]
b)	What is SCSI? Describe the SCSI-3 Architecture and explain the st involved in SCSI Communication.	teps [5]
Q3) a)	What is single point of failure? Give examples in context of data cerenvironment.	nter [5]
b)	What is the importance of recoverability and consistency in Remreplication?	note [5]
Q4) a)	What are the various elements of IT Infra structure? How are they relat	ted?
b)	What are the various Infrastructure management activities?	[5]
/	arphi	

- Q5) a) Explain with neat diagram Information Technology Infrastructure Library.[5]
 - b) Which common tasks should be performed for IT System Management? [5]
- **Q6)** a) What is Service Delivery? What management practices ensure that IT services are provided as per the agreement between service provider and customer? [5]
 - b) Explain the following terms: [5]
 - i) Service level Management.
 - ii) Financial Management and Costing.
 - iii) Availability Management.

