

1 - T - VIII

<b>8E4022</b>	Roll No. : _____	Total Printed Pages : <span style="border: 1px solid black; padding: 2px;">2</span>
	<b>8E4022</b>	
<b>B. Tech. (Sem. VIII) (Main) Examination, April/May - 2011</b> <b>Information Tech.</b> <b>8IT3 Storage &amp; Info Mgmt.</b>		

Time : 3 Hours]

[Total Marks : 80  
[Min. Passing Marks : 24

*Attempt any five questions, selecting one question from each unit. All questions carry equal marks. (Schematic diagrams must be shown wherever necessary. Any data you feel missing suitably be assumed and stated clearly, Units of quantities used/calculated must be stated clearly.*

Use of following supporting material is permitted during examination.  
(Mentioned in form No. 205)

1. \_\_\_\_\_ Nil \_\_\_\_\_

2. \_\_\_\_\_ Nil \_\_\_\_\_

**UNIT - I**

- 1 (a) Define storage and information lifecycle management (ILM). Explain data center requirements. 4+6
- (b) Explain ILM model. 6

**OR**

- 1 (a) Explain areas to store information more intelligently. 8
- (b) Explain obstacles in data storage and data management. 8

**UNIT - II**

- 2 (a) Explain intelligent disk subsystem and its component. 8
- (b) Differentiate between integrated arrays and modular arrays. 8

**OR**



- 2 (a) Explain the various RAID levels. 8
- (b) Explain array coding and the algorithms. 8

**UNIT - III**

- 3 (a) Define Network Attached Storage (NAS). Explain its benefits and drawbacks. 2+6
- (b) Explain types of storage. 8

**OR**

- 3 (a) Explain Storage Area Network (SAN) architecture. 12
- (b) Compare the NAS with SAN. 4

**UNIT - IV**

- 4 (a) Explain disaster recovery strategies. 10
- (b) Explain role of business continuity in recovery. 6

**OR**

- 4 (a) Explain disaster recovery principles and techniques. 12
- (b) Write short note on recovery time objective. 4

**UNIT - V**

- 5 Define Common Information Model (CIM). Explain its meta schema and implementation in detail. 16

**OR**

- 5 (a) Explain key management metrics. 6
- (b) Explain Fiber Channel Standards (FCS) and its layers. 10

