Γotal No. of Questions : 12]	SEAT No.:
P1996	[Total No. of Pages : 3

[5254] - 167

B.E. (Computer Engineering) SOFTWARE ARCHITECTURE (2008 Pattern)

Time: 3 Hours] [Max. Marks: 100

Instructions to the candidates:

- 1) Answers to the two sections should be written in separate answer books.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Assume suitable data, if necessary.

SECTION - I

- **Q1**) a) Compare and contrast and also give relationship between requirements and design. Illustrate with examples. [6]
 - b) Write short notes on

[12]

- i) Architecture VIEWS
- ii) Module Structures

OR

Q2) a) Write short note on Layered architecture.

[8]

b) Write short note on Opportunities and Advances in software architectures.

[10]

Q3) Explain the given terms in context of QUALITY.

[16]

- a) Importance of achieving 'performance' for any system.
- b) Quality attributes
- c) Testability
- d) Relationship between design and quality

OR

		lain and illustrate the following concepts (in context of quality attrics) with examples, in brief:	bute/ [16]
	a)	USABILITY	
	b)	Interfaces and ease of modifiability	
	c)	Authentication as a security tactic	
	d)	Performance, response time, throughput	
Q 5)	a)	Give code for factory method design pattern in C++.	[8]
	b)	Write short note on design pattern.	[8]
		OR	
Q 6)	a)	Explain behavioral pattern.	[8]
	b)	Write short note on MEDIATOR and adaptor pattern.	[8]
		SECTION - II	
Q 7)	a)	Write short note on application servers.	[8]
	b)	What is the role of JAVA SE, JAVA EE technologies?	[8]
		OR	
Q 8)	a)	Explain working of RPC.	[8]
	b)	What is the need of J2ME and Java APIs?	[8]
Q9)	In br	rief explain the concept and give good examples to illustrate.	[18]
	a)	URL, domain names	
	b)	XML DOM	
	c)	REST	
	d)	Need for JSF	
		OR	

Q10)Ex	(210) Explain following concepts through simple examples.	
a)	Custom controls through VB	
b)	Use of active X controls	
c)	XHTML	
d)	Java applets	
<i>Q11</i>)a)	Explain distributed application.	[8]
b)	Explain use of .NET for web applications.	[8]
	OR	
Q12)a)	Explain interfaces and DLL servers in context of COM/NET.	[8]
b)	Compare COM and .NET.	[8]

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