5/6/12 May 2012

T.E (IT) Som VI Per

Programming for Mobile 8 Remote Conf.

1 : 1st haif-12-(Con-4727)JP

(d) SMS.

Con. 4727-12.

GN-9236

Cor	Con. 4/2/-12. GIN-9230			
		(3 Hours) [Total Marks: 10	0	
N.E	3.	 Question No. 1 is compulsory. Attempt any four out of remaining six questions. 		
1.		Write an MIDP application that creates an interactive gauge. 1 Give details of Model-1 and Model-2 architecture with suitable application.		
2.	(a) (b)	What is difference between Servlet and Midlet? Create a web page to search students by student Roll. No. using JSP. 1		
3.	, ,	Explain the architecture of J2EES. Write Midlet for following. 1		
4.		What is Profile ? Explain J2ME Profile. Explain working of MMS. 1		
5.	(a) (b)	Write and explain the MIDP application for low level event handling using canvas 1 class. Write short note on :— (i) Image class (ii) Canvas class.		
6.		What is a Midlet suite? How security is handled in Midlet suit? Explain the class structure of Game API.	0	
7.	Wri	e short note on following:— (a) Struts (b) Obfuscator (c) Hibernet	0	

Som-VI(R) -IT. - Suformation Tech for Mgf of enterprise 9/May-2012.

				1	
AGJ 1st half (m) 5 Con. 4858-12. GN-9737					
			(3 Hours)	[Total Marks : 100	
N.B.: (1) Question No. 1 is compulsory. (2) Attempt any four questions from remaining. (3) Assume any suitable data.					
1.	Atte	empt any four questions:— (a) Explain with example Data (b) Compare Old economy ar (c) Explain with example utilit (d) What is meant by e-comm partial EC. (e) What is data ware housing ware housing.	id New economy. y computing. erce (EC) ? Explain wit	h example pure EC and	20
2. ((a)	With the help of neat diagram, and its architecture.	explain Business Intelle	egence (BI) components	10
((b)	Explain Re-engineering princi	ple with example.		10
	. ,	Explain what do you mean information sys What is supply chain manager and advantges of SCM.	tem. Discuss compute	er based IS.	10
		Explain the importance of co process knowledge manage Explain vairous electronic pa payement.	ment.		10 10
		Explain ethical and legal issue Explain learning organization		S.	10 10
		What is business model? What What is difference between E			10 10
7. #	Atte	mpt any four :- (a) Virtual corporation (b) Decision Support System (c) Business process manage (d) Tangible and intangible su	ment	t	20

(e) Transaction Processing System (TPS).

31/5/2012

Middleware & Enterline Int. +LGN-8645 112-03-4-000-FH KL12 B Con. 4541-12. (3 Hours) [Total Marks: 100 N.B.:(1) Question No. 1 is compulsory. (2) Answer any four out of remaining six questions. 10 1. (a) What are the challenges faced by distributed system? (b) What do you understand by middleware? State the advantage of ORB 10 architecture. 2. (a) Explain client-server architecture. What are its variations or types of 10 client-server architecture? (b) Discuss the key services provided by DCE. 10 3. (a) State the disadvantage of standard RPC. List the characteristics of RMI. 10 (b) How is remote CORBA object invocated? Explain RMI in CORBA. 10 4. (a) List the components of EJB framework. What is the purpose of EJB container? 10 (b) Explain DCOM and .NET framework. 10 5. (a) Define service. How is a business servive implemented? 10 (b) Discuss SOA and Web Service. 10 6. (a) How would you align business and IT using SOA? How will you implement 10 a WS using an agent? (b) What are WS-standards? Explain WS-Security Framework. 10 20 7. Write short notes on any two:-

(a) Server types(b) WS-transactions

(c) COM-IDL.

V-Ex-Scan

TEIT VI (Rev) 26/5/12 Software Engineering

Con. 4045-12,

GN-7328

(REVISED COURSE)

(3 Hours)

Total Marks: 100

۸.		 Question No. 1 is compulsory. Attempt any four questions out of remaining six questions. All questions carry equal marks. Assume suitable data if necessary. 	
1.	prep nego diffe und wine	system is designed for evaluation of various tenders received by an anization. It had various steps like data entry of bids, tabulation of bids, paration of lowest bid document, entry of actual orders with actual prices otiated, preparation of a 'deviation document' that will record all erences between lowest bid and actual orders. The entire system was built er text based UNIX and is being proposed to be changed to a GUI and dows based system. Draw data flow diagram (level 0, 1, 2, 3) and control of diagram describing all details.	20
2	(a)	Explain Software Configuration Management in detail.	10
	(b)	Compare and Contrast Coupling and Cohesion.	10
3.	(a)	Explain risk identification, risk projection, RMMM plan in detail.	10
	(b)	Explain how Gantt-chart can be used for planning and controlling small Projects with suitable example? What are the limitations of Gantt-Chart?	10
Ä.	(a)	Explain various steps involved in SRS for case study in question no. one.	10
	(b)	What is feasibility study? Explain its types, contents and purpose.	10
5.	Ехр	lain the difference between	20
		(i) White Box and Black Box Testing	
		(ii) Component Based Model and Spiral Model.	
6.	(a)	Describe project scheduling and tracking with any suitable example.	10
35	(b)	Explain in detail software project plan with case study in question no. one.	10
7.	Writ	e Short Notes on any two:-	20
		(a) CMM and Key Process Areas	
		(b) Security engineering	
		(c) Reengineering	
		(d) Design Concepts and Principles.	

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85 : 1st half-12-(i)JP

Con. 3782-12.

TE (IT) sem II (B) 22/5/2012 Database Technologies GN-7337

(3 Hours) [Total Marks: 100 N.B. (1) Question No. 1 is compulsory. (2) Answer any four out of remaining questions. (3) Assume any suitable data if necessary and clearly state it. 1. a) Explain Object Identity and Type Constructors. [05] b) Explain the term Data Transparency. [05] c) Explain two phase commit protocol. [05] d) Differentiate between Data warehouse and Data base system. 05] a) Database is being constructed to keep track of the teams and games of a sports league. A team has a number of players, not all of whom participate in each game. It is desired to keep track of the players participating in each game for each team, the positions they played in that game, and the result of the game. i) Design an EER schema, stating any assumptions you make. [07]ii) Show mapping of EER schema to relational schema. [05] b) What are multidimensional databases? How do these store data? [80] 3. a) Suppose a company would like to design a data warehouse to facilitate the analysis of moving vehicles in an online analytical processing manner. The company registers huge amounts of auto movement data in the format of (Auto ID, location, speed, time). Each Auto ID represents a vehicle associated with information, such as vehicle category, driver category, etc., and each location may be associated with a street in a city. Assume that a street map is available for the city. Design a data warehouse to facilitate effective online analytical processing and Write DMOL for above schema. [10] b) Explain with proper example nested relation in ORDBMS. [10] 4. a) Explain in details the major steps in the ETL process. [10] b) Explain design and implementation issues in Mobile databases. [10]a) Consider the following global schema: BOOKS (Book#, Primary author, Topic, Total stock, \$price) BOOKSTORE (Store#, City, State, Zip, Inventory value)

STOCK (Store#, Book#, Qty)

i) Give an example of two simple predicates that would be meaningful for the BOOKSTORE relation for horizontal partitioning.

ii) How would a horizontal derived partitioning of STOCK be defined based on the partioning of BOOKSTORE.

- iii) Show predicates by which BOOKS may be horizontally partitioned by topic.
- iv) Show how the. STOCK may be further partitioned from the partitions in (ii) by adding the predicates in (iii). [10]
- b) What are the main architectures used for building parallel databases? Give advantages
 & disadvantages of each.

6.	a) b)	Explain in brief the architecture of data warehouse. Consider relation R (PQRSTU) with following functional dependencies.	[10]
		$P \rightarrow Q$	
		ST→ PR	
		S→ U	
		State R is in which normal form? Decompose it to BCNF.	[10]
7.	W	rite short note on	[20]
	a)	Referential integrity.	
	b)	Authorization in SQL.	
	c)	Spatial Databases.	
	d)	Temporal Databases.	

TEITIVE (Rev.) 12/5/12 INS

53: 1st half-12-(i)JP

Con. 3731-12.

GN-7332

	(3 Hours)	[Total Marks : 100
N.B. (1) (2) (3)	Question No. 1 is compulsory. Answer any four out of the remaining questions. Answers to subsections must be answered together	r.
In (b) De tw (c) De	consider an online fees payment system. People will cast to ternet. For this system identify vulnerability, threat and a sefine the terms Confidentiality, Integrity and Availability to attacks each that violates these goals. escribe any two non malicious program flaws, applain the session hijacking attack with an example.	attacks. (0
	xplain clearly the differences between block and stream ive a list of network vulnerabilities with an example each	
of c	fferentiate between public and private key cryptosystems cryptosystem. Write a note on different authentication methods.	a. Give Examples of each type (10) (10)
(b) W	escribe the various types of viruses that can infect a systemate is the role of a firewall in securing a network? Descriptive walls.	
(b) E2	se two prime numbers p=3, q=5, and explain the full work Cryptosystem. Explain any two access control mechanism. Indicate clear sadvantages of each scheme.	(10)
in	xplain the protocol flaws existing in the TCP/IP model the cidents & how to overcome them. What is the role of hashing? Explain any one hashing alg	(10)
(te a detailed note on any one of the following topics: (a) Intrusion Detection Systems (10)	