28 1st half 11-AM(m)

Con. 3118-11.

(OLD COURSE)

RK-2364

(3 Hours) [Total Marks: 100 N.B.: (1) Question No. 1 is compulsory. (2) Attempt any four questions out of remaining six questions. Figures to the right indicate full marks. (a) Explain various phases of compiler with suitable example. 10 (b) Explain design of Absolute Loader. 10 (a) Distinguish between top down and bottom up parsing. 10 (b) Explain code optimization techniques in compiler. 10 (a) Explain working of two pass assembler, with neat flow charts and description of 15 3. various databases used. (b) What are assembler directives? Explain with examples. 5 (a) Explain with help of memory data formats, registers, instruction format, addressing modes of traditional CISC machines. (b) Explain the two pass macro processor with neat flowchart and databases. 10 (a) Explain operator precedence parser with suitable example. 10 (b) Explain syntax directed translation, with example. 10 (a) Explain design of direct linking loader. 10 (b) Explain different types of Text editors. 10 Write detailed notes on any two of the following:— 20 (a) LEX and YACC (b) Macro assembler (c) Debug monitor.

3/ 5/20/1 AGJ 1st half (w) 40 T.E. (omp VT (old) Advanced Database.

Con. 3931-11.

(OLD COURSE)

RK-2355

(3 Hours)

[Total Marks: 100

Note: 1) Q.1 is compulsory.

2) Answer any 4 out of remaining 6 questions.

 Design database that manages information about publishers, authors, and books with the Following information about the system

Publisher: name & address of the headquarters, set of branches, branch address & branch phone numbers (assume 2 phone numbers).

Author: name & address.

Book is published by a publisher & has a list of authors associated with it. An author can publish several books but a book is published by at most one publisher.

a) Draw an EER diagram for the above specification

(4m)

 Specify an object relational database schema that represents the above Properties.

(8m)

B) Explain the following concepts with example:

(8m)

i) subclass,

ii) superclass

iii) specialization

iv) generalization

2.A) Compare RDBMS, OODBMS, ORDBMS.

(10m)

Explain mobile databases in detail.

(10m)

3.A) Explain the architecture of parallel databases.

(10m)

B) i) Explain star schema in detail.

(5m)

ii) Define Data Warehousing & Data Mining. List the applications.

(Sm)

4.A) Explain with proper example nested relations in ORDBMS.

(10m)

B) Explain Geographic Information System in detail.

(10m)

5.A) What is DTD? Give the DTD for an XML representation of the following nested relational schema. (10m)

Emp=(ename,Childrenset setof(children), Skillset setof(skill))

Children=(name,Birthday)

Birthday=(day,month,year)

Skills=(type, Examset setof(exams))

Exams=(year,city).

A) Explain with suitable example object identity, object structure & type constructers.

(10m)

B) Explain concurrency control & recovery in distributed databases.

(10m)

7. Write short note on any two:

(20m)

i) Temporal databases

ii) 2 phase commit protocol with example

iii) Data fragmentation, Replication and Allocation techniques for distributed database design

9/6/2011

60 1st half-11(d)-JP

Con. 3828-11.

(OLD COURSE)

T.E (OMP VT (Old) Operating stystems with Unix

RK-2358

			(3 Hours) [Total Marks :	100
į	N.B.	(1) (2) (3)	Question No. 1 is compulsory. Attempt any four questions out of remaining six questions. Figures to the right indicates full marks.	
1.	(a)		plain the characteristics of Modern Operating System.	5
	(b)	Lis	plain with neat sketch the traditional Unix Kernel. t and explain the various mechanism that Unix O.S. providers for IPC and acronization.	5
	(d)	CHECKLE	ite short notes on : File Directories.	5
2.	(a)	Exp	plain the memory management techniques used by Unix SVR 4 system.	10
	(b)		plain multiprogramming, multiprocessor, multithreading and multicomputer system short.	10
3.			plain process control block with diagram.	10
	(b)	Ext	plain the major objectives and functions of Operating System.	10
4.	Exp	lain	with neat sketch the general organization of an :-	
		(a)	SMP. Also give the design consideration of multiprocessor O.S.	10
		(b)	What are the requirements of mutual exclusion? Explain Peterson's algorithm for mutual exclusion.	10
5.	(a)		at are the four conditions that create deadlock? Explain deadlock prevention deadlock avoidance.	10
	(b)		at is Virtual Memory? Explain with neat sketch the translation of virtual address physical address in a segmentation/paging (combined approach) system.	10
6.	(a)		at Criterias are important in choosing a file organization? List and briefly scribe the five basic file organizations.	10
	(p)	Exp	plain Semaphore. What is function of semaphore?	10
7.	(a)	Ехр	lain various IO buffering techniques.	10
	(b)	Vvri	te a short note on Windows 2000 file system.	10

14/6/2011

(c) e-shopping

T-E CMPN VT (OU) Web Technology

VT-April -11- 235

Con. 3833-11.

(OLD COURSE)

RK-2367

00	11. 00	755-11.	(OLD COURSE)	KK-2307	KK-2307	
			(3 Hours)	[Total Marks : 100		
N.I	(중심하면 그 회사들이 아들이 하면 보여야? 이번에 계획된 꾸겁니다면 사이를 하는 그 때 모든	ompulsory. uestions from remaining s ata wherever necessary.	ix questions.		
1.	(a)	Explain the terms – (i) URL (ii) Telnet.			10	
	(b)	Explain the cycle of se	erviet.		10	
2.	(a)	Explain following HTMl (i) Frame (ii) Table (iii) Form.	L tags :-		10	
	(b)	Explain in details Hype	ertext and Hypertext struct	ure.	10	
3.	(b)	Explain client-side Tec What is DHTML? Ho Write short note on Na	w it can be differ from HT	ML?	10 6 4	
4	(a)	Explain in details follow (i) TCP/IP (ii) FTP.	wing protocols :-		10	
	(b)	Draw and explain XML	DOM structure in details.	1	10	
5.		Explain following: (i) Java script exp (ii) Strings and Arr (iii) Control flow an	rays		12	
	(p)	What is internet banking	ng? Mention the challeng	ges in internet banking.	8	
6.	(a)	Explain the use of follo (i) Request (ii) Session	owing ASP objects :- (iii) Application (iv) Servel.		10	
	(b)	(i) Cascading style (ii) Java server page	e sheet		10	
7.		e short notes on (any f (a) Cookies (t	four) :- b) CGI scripting with peri		20	

(d) Email.

TE CMPN VI (Old) Computer Jeaphics.

Con. 3546-11.

(OLD COURSE)

RK-2362

		(3 Hours) [Total Marks : 10	00
1	N.B.	1) Question No. 1 is compulsory. 2) Solve any four questions from question nos. 2 to 7. 3) Assume appropriate data where necessary. 4) All questions carry equal marks.	
1.	(a) (b)	일반 조명이 되어 마셨다면 하는 사람들은 사람들이 할 것만 이 그리에서 시작되었다면 하는데 되었다면 하는데	10 10
2.	(a) (b)	TO AND PROPERTY OF THE PROPERT	10 10
3.	(a) (b)	gradus ny dy prompto ny tanàna mandra dia dia dia dia dia dia dia dia dia di	10 10
4.	(a) (b)	projection.	10
5.	(a) (b)		10 10
6.	(a) (b)	, , , , , , , , , , , , , , , , , , , ,	10
7.	Wri (a (b (d (d (e	Short note (any four):— Character Generation Technique. Antialiasing and Aliasing. Halftone Shading. Dithering Techniques. Segmentation.	20