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ANJUMAN-I-ISLAM'S

KALSEKAR TECHNICAL CAMPUS, NEW PANVEL

Approved by : All India Council for Technical Education, Council of Architecture, Pharmacy Council of India New Delhi, Recognised by : Directorate of Technical Education, Govt. of Maharashtra, Affiliated to : University of Mumbai.

 ■ SCHOOL OF ENGINEERING & TECHNOLOGY

□ SCHOOL OF PHARMACY

□ SCHOOL OF ARCHITECTURE

DEPARTMENT OF COMPUTER ENGINEERING

F	CLASS TEST - 02	EXM-04 B		
CL	ASS:- TE	- V		
COURSE:- TCS DATE:-			24/10/2018	
DU	RATION:- 60 Min. MARKS:- 20			
	CLASS TEST- 02			
2.0	01 Attempt any Five: (10 Marks)	Marks	СО	
a)	set of all strings that contain at least one occurance of "00" over $\Sigma = \{0,1\}$	02	CO3	
b)	Odd palindrome over $\Sigma = \{a,b,c\}$	02	CO3	
c)	$L = \{ a^i b^j c^k \text{ where } j=k+i ; i,k \ge 1 \}$	02	CO3	
d)	set of all strings that contain alternate sequence of 0's and 1's over $\Sigma = \{0,1\}$	02	CO3	
e)	$L = \{ a^n b^n ; n \ge 1 \}$	02	CO3	
f)	$L = \{ a^m b^n c^n ; m, n \ge 1 \}$	02	CO3	
Q.0	2 Attempt any One: (05 Marks)			
a)	Explain Rice's Theorem	05	CO6	
b)	Design PDA for recognizing the following language : $L = \{ wcw^R \text{ where } w \in \{a,b\}^* \text{ and } w^R = \text{Reverse of } w \}$	05	CO4	
Q.0	3 Attempt any One: (05 Marks)			
a)	Design Turing Machine to check for well formedness of parenthesis.	05	CO5	
b)	Write a short note on: Chomsky Hierarchy	05	CO3	

CRITERION: 2.2.2, 3.2.2.

Innovative Teaching - Exuberant Learning

Vision: To be the most sought after academic, research and practice based department of Computer Engineering that others would wish to emulate.

FILE NO: P25, P31



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DEPARTMENT OF COMPUTER ENGINEERING

		EM:- V	
		ATE:-22/08/2018	
DUR	ATION:- 60 mins.	MARKS:- 20	
	UNIT TEST 02		
Q.0	1 Attempt any 5: (10 Marks)	Marks	СО
a)	Differentiate between containers and codecs in video file fo	ormat 2	CO2
b)	What is Interlacing effects in Analog video?	2	CO2
c)	List and explain in short types of Video Signals?	2	CO2
-ৰ)	Justify the Statement "Usual bit stream encoding is the pulse-code modulation is used in Audio file format." (Na Format is Expected)		CO3, CO4
e)	Define the two types of CODEC.	2	CO2
f)	Define STEGNOGRAPHY?	2	CO6
Q.02	2 Attempt any 1: (05 Marks)		
a)	Explain H.261 encoder with labeled diagram.	5	CO3
b)	Draw WAVE file Format and explain in short?	5	CO3
7.03	3 Attempt any 1: (05 Marks)		
a)	Short Note on: RTSP Protocol	5	CO5
b)	Explain in detail Tunnels for IP Multicast in MBone.	5	CO5



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DEPARTMENT OF COMPUTER ENGINEERING

QUESTION PAPER CLASS TEST 01/02

CLASS:- TE CO SEM:- V		7		
COURS	E:- AA	DATE:-	22/10/	2018
DURAT	TION:- 60 Min.	MARKS:- 20		
	CLASS TEST 02			
Q.01 A	attempt any Five: (10 Marks)		Marks	СО
a) W	hat is flow network? Give its example.		02	CO2
b) Ex	xplain "flow" with example.		02	CO2
) Ex	xplain residual network with example.	5.5	02	CO 2
d) W	hat are admissible edges & admissible network?		02	CO 5
e) Pr	ove that admissible network is acyclic.	r	02	CO 5
f) W	hat do you mean by "preflow"? Explain.		02	CO 5
Q.02 A	attempt any One: (06 Marks)			
	ove that $ f \uparrow f' = f + f' $, where $f \uparrow f'$ is augmentation.		06	CO 5
	ove that $f(S, T) = f $, where $f(S, T)$ is net flow across cut (S, T) .		06	CO 5
Q.03 A	ttempt any One: (04 Marks)			
a) W	rite the algorithm to determine whether two line segments interse	ect.	04	CO 3
b) Ex	xplain "sweeping" with diagram.		04	CO 3

CRITERION: 2.2.2, 3.2.2.

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DEPARTMENT OF COMPUTER ENGINEERING

	REV:00	QUESTION PAPER CLASS TEST 02		EXM-04	В
CLAS	SS:- TE		SEM:- V		
cou	JRSE:- DBMS		DATE:-	22/ 10 / 2018	
DUR	RATION:- 60	mins.	MARKS:- 2	20	
Q.0:	1 Attempt an	y 5: (10 Marks)		Marks	со
	expression employee(ne employee database where the primary keys are underline in SQL for the following queries: employee-name, street, city) bloyee-name, company-name, salary)	d. Give an		
	company(c	ompany-name, city) mployee-name, manager-name)			
a)	Find all emp	ployees in the database who earn more than each employee n	e of Small Bank	2	CO4
b)	Find all em	ployees in the database who do not work for First Bank Corp	oration.	2	CO4
c)	Find all the company.	employees who earn more than the average salary of all em	ployees of thei	r 2	CO4
d)		nployees of 'IBM' a 40% raise.		2	CO4
e)	List all the	employees who live in the same cites as their managers	-	2	CO4
f)	Modify database so that 'Swapnil' now lives in 'Navi Mumbai'		2	CO4	
2.02	2 Attempt an	y 1: (05 Marks)			
a)	What is tra	insaction? Discuss ACID properties of transaction?		5	CO6
b)	Explain Sha	adow Page recovery?		5	CO6
2.03	Attempt an	y 1: (05 Marks)			l C
a)	Explain con	nflict serializability and view serializability with examples?		5	CO6
b)		manufacture ranges of products which are purchased by nal schema for this operation is given as :-	customers.	5	CO5
		Company-code, Company-name, Director#, Director-name, { , {cust#, customer-name, address}}) where {} represents			
-		definitions of first, second and third normal forms.			



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	NAVI WOLA				
	MAVI MUMBAI - INDIA	DEPARTMENT OF COMPUTER ENGINEERING		XM-0	48
CLA	ASS:- T.E. COM	PUTER	SEM:- V th		
SUI	BJECT/COURSE:	- MICROPROCESSOR (MP)	DATE:- 23/10/20	18	
DU	RATION:- 1Hr.		Max. MARKS:- 20		
		Unit Test - 02			
Q- (1 Attempt any 5	: (10 Marks)		Marks	СО
a)	Explain the step	os to interface RAM memory with 8086 µp	processor.	2	CO4
b)	List out Integer	& floating point pipeline stages in Pentius	m processor.	2	CO6
c)	Draw cache me	mory organization supported by Pentium p	processor.	2	CO6
4)	Draw segment of	discriptor in 80386 DX, write meaning of i	t's bits.	2	CO4
e)	Draw & explain	flag register of 80386 DX.		2	CO6
f)	Draw block diag	gram of 8255 PPI.		2	CO4
Q -	02 Attempt any 1	1 (05 Marks)			
a)	Draw & explain	any 2 operating modes of PIT - 8253/825	4.	5	CO4
b)	Write short note	es on – Branch prediction logic.		5	CO6
Q - (03 Attempt any 1	(05 Marks)			
a)	Draw and explain	in PENTIUM processor. (any 4 blocks)		. 5	CO6
(a	Explain address	translation mechanism in protected mode	of 80386 DX processor.	5	CO6



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DEPARTMENT O	F COMPUTER ENGINEERING EXM-04 B
CLASS:- TE	SEM:- V
SUBJECT:- CN	DATE:- , 24 / 10 / 2017
DURATION:- 60 mins.	MARKS:- 20
	TIASS TEST 02

Q.01	Attempt any 5: (10 Marks)	Marks	CO
a)	ARP and RARP	2.	CO-4
b)	Classes of IP Addresses (with range).	2	CO-4
c)	Subnetting and Supernetting	2	CO-4
d)	Byte Number, Sequence Number, Acknowledgment Number	2	CO-5
e)	Hamming distance	2	CO-5
n	TCP and UDP	2	CO-5
Q.02	2 Attempt any 1: (05 Marks)		
a)	Explain Classless Inter Domain Routing (CIDR).	5	CO-4
b)	Why there is a need for congestion control? What are the different mechanisms? Explain them.	5	CO-4
Q.03	Attempt any 1: (05 Marks)		
a)	Explain how TCP handles error control and flow control.	5	CO-5
b)	What are different types of routing? Explain Distance Vector routing.	5	CO-4



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CLASS:- TE	SEM:- V	
SUBJECT:- CN	DATE:- 24 / 10 / 20 *	17
DURATION:- 60 mins.	MARKS:- 20	

CLASS TEST 02

Q.01	Attempt any 5: (10 Marks)	Marks	CO
a)	ARP and RARP	2	CO-4
b)	Classes of IP Addresses (with range).	2	CO-4
C)	Subnetting and Supernetting	2	CO-4
d)	Byte Number, Sequence Number, Acknowledgment Number	2	CO-5
e)	Hamming distance	2	CO-5
f)	TCP and UDP	2 +	CO-5
a)	Explain Classless Inter Domain Routing (CIDR).	5	CO-4
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a)	Explain how TCP handles error control and flow control.	5	CO-5
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