QUESTION PAPER - 2014

COMPUTER SCIENCE & ENGINEERING

	and the second s		
Q.1	uses commands and responses	s of transfer message t	etween an MTA client and
	an MTA server.		
	(1) POP3 (2) SMTP	(3) HTTP	(4) FTP
Q.2	In HTTP v1.1, which request type is u	used to echo the incom	ning request
	(1) GET (2) POST	(3) PUT	(4) TRACE
Q.3	is the client/server application	that allows a user to lo	on on to a remote machine.
	giving the user access to the remote s	ystem.	(#
	(1) HTTP (2) POST	(3) TELNET	(4) MIME
Q.4	Which LAN topology is easy to instal	I but difficult in recon	
	(1) STAR (2) BUS	(3) RING	(4) MESH
Q.5	Which one of the following is not a R	eal time operating sys	tem?
	(1) VxWorks (2) Windows CE	(3) RTLinux	(3) Palm OS
Q.6	To access the services of operating sy	stem, the interface is p	provided by the
46	(1) System calls	(2) API	25 25
76	(3) Library	(4) Assembly in	structions
Q.7	What is a long - term scheduler?		
% %	(1) It selects which process has to be	brought into the read	y queue
- 84	(2) It selects which process has to be	e executed next and al	locates CPU
	(3) It selects which process to remov	e from memory by sw	apping.
30	(4) It selects which process has to be	brought into the Bloc	cked process
Q.8	Time quantum is define in		
	(1) Shortest job scheduling algorithm	n ·	
	(2) Round robin scheduling algorithm	n	
	(3) Priority scheduling algorithm		
	(4) Multilevel queue scheduling algor	rithm	
Q.9	The strategy of making processes that		to be temporarily suspended
	is called		
	(1) Non preemptive scheduling	(2) Preemptive	scheduling
	(3) Shortest job first	(4) First come	first served
Q.10	The most optimal scheduling algorithm	nm is	e Sil
	(1) FCFS - First Come First Served	(2) SJF - Short	
	(3) RR - Round Robin	(4) LCFS - Las	t Come First Serve

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Q.11	Consider the following set of proc milliseconds:	cesses, the length of the CPU burst time given in
	Process	Burst time
ä	P1	6
	P2	8
	P3	7
	P4	3
		scheduled with the SJF scheduling algorithm:
	(1) The waiting time for process P	
	(2) The waiting time for process P	
	(3) The waiting time for process P	
	(4) The waiting time for process P	
Q.12		
Q.1.	(1) Ranker's algorithm	(2) Round-robin algorithm
	(3) Elevator algorithm	(4) Kam's algorithm
Q.13	The state of the s	of multiprogramming is bounded by
Q.10	(1) The numbr of partitions	(2) The CPU utilization
	(3) The memory size	(4) BOIS
0 14		C, D, E. If the page replacement algorithm is FIFO,
Q.IT		an empty internal store of 3 frames is:
	(1) 8 (2) 10	(3) 9 (4) 7
0.15	Consider a disk queue with request	
		onsidering FCFS (First cum first served) scheduling,
		nts is, if the disk head is initially at 53:
	(1) 600 (2) 620	(3) 630 (4) 640
Q.16	On systems where there are multipl	e operating system, the decision to load a particular
	one is done by :	
	(1) Boot loader	(2) Boot strap
	(3) Process control block	(4) File control block .
Q.17	Which of the following command is in Database.	used to give permission of operation to other users
33	(1) Permission (2) Allow	(3) Grant (4) Revoke
Q.18		Mark Programme (1) to the contract of
ų.ru	(1) Relational	(2) Relational oriented
	(3) Object oriented	(4) Multidimensional
O 19	Which of the following is not a DM	
Q.1	(1) UPDATE (2) COMMIT	(3) INSERT (4) DELETE
0.20	In the architecture of a database sy	
	(1) Physical level	(2) Logical level
	(3) Conceptual level	(4) View level

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Q.21	The column of a table is referred to as the	he
ME CONSTR	(1) Tuple (2) Attribute	(3) Entity (4) Degree
Q.22	A primary key for an entity is	
	(1) A candidate key	(2) An attribute
	(3) A unique attribute	(4) A super key
Q.23	Operator is used to compare a value to	a list of literals value that have been specified
	(1) BETWEEN (2) ANY	(3) IN . (4) ALL
Q.24	In E-R Diagram relationship type is repre	sented by
41 <u>1</u> 1	(1) Ellipse (2) Dashed ellipse	(3) Rectangle (4) Diamond
Q.25	A relation in which the intersection of ea	ich row and column contains one and only one
	value is said to be in	
	(1) First normal form	(2) Second normal form
	(3) Third normal form	(4) Fourth normal form
Q.26	Two phase protocol in a database mana	
	(1) A concurrency mechanism that is no	ot deadlock free
	(2) A recovery protocol used for restori	
	(3) Any update to the system log done	in two phases
	(4) Not effective in database	
Q.27	Which of the following is not a type of o	constructor?
	(1) Copy constructor	(2) Friend constructor
	(3) Default constructor	(4) Parameterized constructor
Q.28	Which of the following concepts says, m	nethod invoking at runtime?
	(1) Data hiding	(2) Dynamic Typing
	(3) Dynamic binding	(4) Dynamic loading
Q.29	Which one of the following are standard	
	(1) PIPE (2) SYS	(3) ERROR (4) BUFF
Q.30	How many objects can be created from	an abstract class?
	(1) Zero (2) One	(3) Two
Q.31	Which of the following will be called wh	nen an object goes out of scope ?
	(1) Constructor (2) Destructor	(3) Main (4) Virtual function
Q.32	Which of the follwing function/type of f	unction cannot be overloaded ?>
	(1) Member function	(2) Static function
	(3) Virtual function	(4) Operator function.
Q.33	Which of the following statement is cor	rect?
	 Two functions having same number 	r of argument, order and type of argument can
	be overloaded if both functions do	
	(2) Overloaded function must have de	fault arguments.
		ault arguments starting from the left of argument
	list.	. then once
	(4) A function can be over loaded mor	e man once.

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Q.34	The operator that cannot be overloaded	d is:
	(1) ++ (2)()	(3) :: (4) ~
Q.35	If you create a file by 'fstream', then th	e default mode of the file is :
	(1) iso :: aap	(2) iso :: out
	(3) iso :: app & ios :: out	(4) iso :: in & ios :: out
Q.36	When you derive a class privately, a pro	otected base class member becomes
	(1) Private (2) Public	(3) Non inherited (4) Protected
Q.37	Which will legally declare, construct, as	nd initialize an array ?
	(1) int [] my List = {"1", "2", "3"};	(2) int [] my List = $(5, 8, 2)$;
	(3) int my List $[][] = \{4, 9, 7, 0\};$	(4) int my List [] = {4, 3, 7}
Q.38	Which two are valid constructors for th	read in JAVA ?
	(a) Thread (Runnable r, string name)	(b) Thread ()
	(c) Thread (int priority)	(d) Thread (Runnable r, string name)
52	(1) (a) & (c) (2) (b) & (d)	(3) (a) & (b) (4) (c) & (d)
Q.39	Which is TRUE about a method - local	inner class
*	(1) it must be marked final	(2) it can be marked abstract
	(3) it can be marked public	(4) it can be marked static
Q.40	What will be the output of the program	?
	try	
	{	SCACADEMY ROET PROLYCET
	int x = 0;	DIFLOMA TURNORS
	int $y = 5/x$;	Gaddiannaram K Road,
	}	Dilsukhnager. Hyderebad. 040-66662532/ 63332352
	catch (Exception e)	6886352352/ 8143352352
	{.	
	System.out.println ("Exception");	🗑
	}	
	catch (Arithmetic Exception ae)	
	.{	
	System.out.println ("Arithmetic Exc	ception"):
	}	,
	System.out.println ("finished");	, B
N 98	(1) Finished	(2) Exception
j2:	(3) Compilation fails	(4) Arithmetic Exception
Q.41	# The state of the	of the following is a valid constructor declaration
	for the class?	
	(1) Student (student s) {}	(2) Student student () {}
	(3) Private final student () {}	(4) Void student () {}

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Q.42	Which of the	keywo	rd is used to de	fine packag	es in Java ?			
(E. 18)	1.105	2.5	(2) Pkg	15	package	M8(CA80)	Package	
Q.43	Which of the	access	specifier can b	e used as a	interface?			139
	(1) Public		(2) Protected	(3)	Private	(4) 1	Default	
Q.44	What is mult	ithread	ed programmin	g ?				2.1
			which two diffe					20
			hich two or mo					
20	(3) It's a pro	cess in	which many diff	erent proces	sses are able	to acce	ss same in	formation.
	(4) It's a pro	ocess in	which a single	process can	access info	rmation	from man	y sources.
Q.45	Which of the	se keyı	words is not par	t of exception	on handling	?		0
	(1) try		(2) finally	(3)	thrown	(4)	catch	
Q.46	Which of the	ese met	hods can be us	ed to outpu	t a string in	a apple	13	
8	(1) display	()	(2) print ()	(3)	drawstring	() (4)	transient (()
Q.47	Html docum	ent mu	st always be sa	ved with :			¥ .	11
	(1) .html		(2) .txt	(3)	.doc	(4)	.pdf	E
Q.48	To insert bla	nķ line	s, which tags ar	e used :				
100	(1)		(2) <bk></bk>	(3)		(4)	<ba></ba>	*
Q.49	HTML stand	is for,			2 3			
5.7 0 .600000			ker language	(2)	Hyper tab	marker l	anguage	8 4
			arkup language	(4)	Hyper text	markup	language	
Q.50			h determines w		es are to be	suspend	ed and re	sumed.
₩.	(1) Short-te				Long-term			
	(3) Medium	ı-term s	chedular	(4)	Job schedu	ılar		
Q.51	Which of the	e follow	ing is not a disl	scheduling	algorithm			
	(1) SSTF	19	(2) C-SCAN		SRTF	(4)	LOOK	
Q.52	In VB Scrip	t function	ons, which one	is false amo	ng the follo	wing		
			be declared be					
	(2) Variable	es may	not be declared	before use	- C.			
			be declared wit		pe			
			sed in VB scrip					
Q.53	A running p	rogram	requests the ser	rvices from t	he kernel of	the ope	rating sys	tem using a
.99								
	(1) System		(2) Function ca		Procedure			all
Q.54	The leading	bits of	an IP address	of a class B	network ar			:
	(1) 10		(2) 01	1000	110	(4)	S	
Q.55	3000	tab er	nables you to v	iew the cur	rent value o	of any v	ariable o	r VB Script
	expression.		020004			100		
	(1) Watch		(2) View	(3	Locate	(4)	Current	

	1/4		
	124	E	CET (Computer Science and Engineering)
		What does ASP stands for ?	
	,Q.50	(1) All Standard Pages	(2) Active Server Pages
		(3) Active Standard Pages	(4) A Server Page
	0.57	Convert the fractional decimal number 6	
	Q.57	(1) 0111.1100 (2) 0110.1010	(3) 0110.1100 (4) 0110.0110
	0.50		ossibilities, how may of those possibilities will
	Q.58	result in a HIGH output?	ossibilities, now may of those possibilities with
		(1) 1 · (2) 2	(3) 7 (4) 8
	0.50	One advantage TTL has over CMOS is	13.
	Q.39	(1) Less expensive	(2) Not sensitive to electrostatic discharge
		(2) Faster	(4) More widely available
		Carterior Challeston Carterior	LACK COMMENT AT 1978
	Q.60	Applying DeMorgan's theorem to the ex	
		(1) $\vec{A} + \vec{B} + \vec{C}$ (2) $\vec{A} + \vec{B} + \vec{C}$	(3) $A + \overline{B} + C\overline{C}$ (4) $A (B + C)$
	0.61	Which statement below best describes a	Karnaugh map?
	187	(I) A Karnaugh map can be used to rep	
		(2) The Karnaugh map eliminates the ne	eed for using NAND and NOR
		(3) Variable complements can be elimin	
		(4) Karnaugh maps provide a cookbook	approach to simplifying Boolean expressions.
	0.62	How is a J-K flip-flop made to toogle?	8
		(1) $J = 0$, $K = 0$ (2) $J = 1$, $K = 0$	(3) $J = 0$, $K = 1$ (4) $J = 1$, $K = 1$
	0.63	How many flip-flops are required to make	
	2.00	(1) 3 (2) 32	(3) 5 (4) 6
	0.64	Which gate is best used as a basic comp	The state of the s
6	2.01		(3) Exclusive-OR (4) AND
	0.65		for addressing a memory location in the code
	· Q.00	segment of the memory, where the execu	utable program is stored.
, Ti		(1) Code segment register	(2) Data segment register
			(4) Stack segment register
	Q.66	The 8086 register contents	indicate the results of computation in the ALU.
	0.	(1) Data Segment (2) Flag	(3) Index (4) Accumulator
	Q.67	The 8086 along with	forms a pipeline.
		(1) Bus Interface Unit, Arithmetic and	
		(2) Execution Unit, Arithmetic and Log	
	•	(3) Bus Interface Unit, Memory unit	
		(4) Bus Interface unit, Execution unit.	
20	Q.68		are recognized by the CPU, otherwise they are
	- 0	ignored. What is that flag in 8086?	5 <u>1</u>
		(1) Trap (2) Interrupt	(3) Directional (4) Overflow

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Q.69	For t	the following in	struction, what is the e	ffect	ive addres	sses :	MO	VAX, [BX] [SI]	
		10H*DS+[SI]			10H*DS-				
	(3)	10H*DS+[BX]	*[SI]	(4)	10H*[BX]+[S	[]	dr.	
Q.70			of 8086, is used for find op up table techniques		out the coo	les in	cas	e of code conv	ersion
	(1)	TEST	(2) DAS	(3)	CBW	63	(4)	XLAT	
Q.71	The = 1	conditional bra or neither SF	nch instruction used to not OF is 1, is	trans	sfer execu	tion t	o th	e address 'label	, if ZF
			(2) JLE/JNC label		JL/JNGE	labe	1(4)	JNLE/JE label	
Q.72	The	80286 CPU is	able to address		MB of ph	nysica	al m	emory.	
	(1)		(2) 24	(3)			(4)		
Q.73	The	size of address	but of 80386 is		_ bit.				
	(1)		(2) 24		32		(4)	64	
Q.74	The	80486 is packa	aged in a	grid a	rray pack	age.			
	(1)	32-pin	(2) 48-pin	(3)	64-pin		(4)	168-pin	
Q.75	Whi	ch of the follow	ing is a sequential acc	ess d	evice			7/	
	(1)	Hard disk	(2) Optical disk	(3)	Tape		(4)	Flash memory	
Q.76	The	addressing mo	de in which the operar	d is	given expl	icity	in th	ne instruction it	self is
	(1)	Absolute mode	i	(2)	Index mo	ode			
	(3)	Register direct	mode	(4)	Immedia	te mo	ode		
Q.77	Whi	ch of the follow	ving interrupt is non ma	askat	ole			20	
	(1)	INTR	(2) RST 7.5	(3)	RST 6.5	*	(4)	TRAP	
Q.78	Spe	ed of microproc	cessor depends on					i.	
	(1)	Data Bus widtl	n.	(2)	Access T	ime			
	(3)	Response Time	i	(4)	Hard dis	k		9	
Q.79	Zero	o address instru	iction format is used fo	r					
	(1)	RISC architect	ure	(2)	CISC ard	chited	ture		
	(3)	Von-Neuman a	architecture	(4)	Stack-or	ganiz	ed a	rchitecture	
Q.80	The	two types of m	ain memory are						
	(1)	Primary and se	econdary	(2)	Random	and	sequ	iential [.]	
	100	ROM and RAM			Central				
Q.81		w many addres mory chip?	s lines are needed to a	ddre	ss each m	emoi	ry lo	cations in a 20	48 X
8	(1)	10	(2) 11	(3)	8		(4)	12	39
Q.82	CIS	C stands for							
	(1)	Co-related Ins	tructgion Set Compute	r (2)	Combin	ed In	stru	ction Set Comp	uter
	(3)	Complex Instr	uction Set Computer	(4)	-Commo	n Ins	truct	tion Set Compu	ter

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Q.83	Fastest type of r	nemory from the follow	ing hst is		
2	(1) Tape	(2) Semiconductor	(3) Disk	(4) Bubble men	nory
Q.84	The entity that i	s not involved in a mem	ory write operatio	n.	
	(1) MAR	(2) Data Bus	(3) PC	(4) MDR	
Q.85	What is the out	out of this C code			
	# include <stdi< td=""><td>o.h></td><td></td><td>•</td><td></td></stdi<>	o.h>		•	
	void main ()				
	{				
	int $a = -5$;	i .	* *		
T 6	Int $k = (1++, -$	++a);	81 (8		
	printf ("%d/n",k)				
60	}		414	sec - 2 - 10	r.
j. —	(1) -3	(2) -5	(3) 4	(4) Undefined	
Q.86	What is the out	out of this C code	20.00		
	#include <stdio< td=""><td></td><td></td><td></td><td>95</td></stdio<>				95
- 8	int main ()	1	· ·		
	{		A		
114	int $x = 2$;			ECET /POLYCET	
	x = x <<1;		Gaddianna	rem K Road.	
	print f ("%d/n", :	k);	Dilsukhnaga	ar, Hyderabad.	
	}		040-666623	52/ 65 352352 / 81433523 52	11.
4.	(1) 4		8885351362	/ 6143.352332	
(6)	(2) -1				
	(3) Depends on	the compiler			
	(4) Depends on	the endianness of the n	nachine		
Q.87	What is the out	put of this 'C' code ?		39.7	T:
	# include <stdi< td=""><td>o.h> ·</td><td></td><td></td><td></td></stdi<>	o.h> ·			
	void main ()	54		# 1.±2	
	{		5000 gg 3%	#	
	int $x = 4$, y , z ;				
	y = -x;				
3.	z = x-;				
	printf ("%d%d%	od", x, y, z);	20 V.		
127	}		9 ² 800 gr		
	(1) 323	(2) 2 3 3	(3) 3 2 2	(4) 234	
Q.88	Number of inter	nal nodes in a full binar		is	
900 0 00000000	(1) 2 ^{k-1}	(2) 2 ^k -1	(3) 2 ^k	(4) 2k+1	

(2) 205,16.37.32 and 205.16.37.47(4) 205.16.37.32 and 255.16.37.47

(1) 205.16.37.39 and 205.16.37.47

(3) 205.16.37.32 and 205.16.37.39

Q.99	IEEE 802.3 standard defines Mbps Ethernet:	as the access method for first generation 10-
	(1) CSMA/CA	(2) Non Persistent CSMA/CD
	(3) 1-Persistent CSMA/CD	(4) p-Persistent CSMA/CD
Q.10	The protocol that automates the II default gateway and DNS informat	P configuration including IP address, Subnet mask,

(3) SMTP

(2) DHCP

(1) SNMP

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(4) ARP

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Key

(1) 2	(2) 4	(3) 3	(4) 2
(5) 4	(6) 1	(7) 1	(8) 2
(9) 2	(10) 2	(11) 1	(12) 1
(13) 1	(14) 3	(15) 4	(16) 1
(17) 3	(18) 2	(19) 2	(20) 4
(21) 2	(22) 3	(23) 3	(24) 4
(25) 1	(26) 1	(27) 2	(28) 3
(29) 1	(30) 1	(31) 2	(32) 3
(33) 4	(34) 3	(35) 4	(36) 1
(37) 4	(38) 3	(39) 2	(40) 3
(41) 1	(42) 3	(43) 1	(44) 2
(45) 3	(46) 3	(47) 1	(48) 3
(49) 4	(50) 3	(51) 3	(52) 2
(53) 1	(54) 1	(55) 1	(56) 2
(57) 3	(58) 1	(59) 2	(60) 1
(61) 4	(62) 4	(63) 3	(64) 3
(65) 1	(66) 2	(67) 4	(68) 2
(69) 3	(70) 4	(71) 2	(72) 1
(73) 3	(74) 4	(75) 3	(76) 4
(77) 4	(78) 1	(79) 4	(80) 3
(81) 2	(82) 3	(83) 2	(84) 3
(85) 1	(86) 1	(87) 2	(88) ,2
(89) 4	(90) 4	(91) 2	(92) 3
(93) 1	(94) 4	(95) 4	(96) 2
(97) 3	(98) 2	(99) 3	(100) 2

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