ENTRANCE EXAMINATION FOR ADMISSION, MAY 2011. M.Sc. (COMPUTER SCIENCE) COURSE CODE: 370

Register Number		
register Number	•	

Signature of the Invigilator (with date)

COURSE CODE: 370

Time: 2 Hours

Max: 400 Marks

Instructions to Candidates:

- 1. Write your Register Number within the box provided on the top of this page and fill in the page 1 of the answer sheet using pen.
- Do not write your name anywhere in this booklet or answer sheet. Violation of this entails disqualification.
- 3. Read each question carefully and shade the relevant answer (A) or (B) or (C) or (D) or (E) in the relevant box of the ANSWER SHEET using HB pencil.
- 4. Avoid blind guessing. A wrong answer will fetch you −1 mark and the correct answer will fetch 4 marks.
- Do not write anything in the question paper. Use the white sheets attached at the end for rough works.
- 6. Do not open the question paper until the start signal is given.
- Do not attempt to answer after stop signal is given. Any such attempt will disqualify your candidature.
- On stop signal, keep the question paper and the answer sheet on your table and wait for the invigilator to collect them.
- 9. Use of Calculators, Tables, etc. are prohibited.

1.		greedy method s				device	e an algor	ithm t	hat w	orks in stages	;
	(A)	1	(B)	N		(C)	All		(D)	0	
	(E)	None of the abo	ve								
2.	The	number of edges	in an	n-vertex	complet	te gra	ph is				
	(A)	n/2	(B)	n(n/2)		(C)	n(n-1)/2		(D)	(n-1)/2	
	(E)	None of the abo	ve							44	
3.		syntax directed									L
	(A)	Synthesized att	ribute			(B)	Inherited	l attrib	ute		
	(C)	Canonical attri	bute			(D)	All of the	above			
	(E)	None of the abo	ve								
4.	The	records in a file	has								
	(A)	Different Data	Struct	ure							
	(B)	Unique Data St	tructu	re							
	(C)	The structure d	lepend	s on the	type of	the fil	e				
	(D)	All the above									
	(E)	None of the abo	ove								
5.	Wha	at is the time con	nplexit	y for mer	ge sort	?					
	(A)	(O(n log n))	(B)	log n		(C)	n log n		(D)	N (log n)	
	(E)	None of the abo	ove								
6.	Sort	ing is not possib	le by u	sing whi	ch of th	e follo	wing meth	nods?			
	(A)	Insertion	(B)	Selection			Exchange		(D)	Deletion	
	(E)	None of the abo	ove								
7.	The	number of equiv	alence	e relations	s of the	set {1	, 2, 3, 4 } i	s			
	(A)	4	·(B)	15		(C)	16		(D)	24	
	(E)	None of the abo	ove								
8.	The	class of context	– free	language	is not o	losed	under				
	(A)	Concatenation				(B)	Intersect	ion			
	(C)	Union				(D)	Repeated	l conca	tenat	ion	
	(E)	None of the ab	ove								

9.	Buc	ket Sort is also referred to as				
	(A)	Radix sort (B) Quick sort	(C)	Merge sort	(D)	Bubble sort
	(E)	None of the above				
10.	Mul	tiple repeaters in communication	satellite ar	e known as		
	(A)	Stations	(B)	Modulator		
	(C)	Detector	(D)	All of the abov	re	
	(E)	None of the above				
11.	Max	imum frequency of Fiber-optic cal	ole is			
	(A)	$600~\mathrm{THz}$ (B) $2~\mathrm{GHz}$	(C)	$700~\mathrm{THz}$	(D)	$2.3~\mathrm{GHz}$
	(E)	None of the above				
12.	The	table in external storage is divide	d into a nu	mber of blocks	called	
	(A)	Buckets (B) Files	(C)	Data items	(D)	Tree
	(E)	None of the above				
13.	The	Degenerate case occurs in Distrib	uted Envir	onment		
	(A)	When all of the components are	on differen	t system		
	(B)	When all of the components show	uld be diffe	rent system		
	(C)	When all of the components are	on same sy	rstem		
	(D)	All of the above				
	(E)	None of the above				
14.	The	classes that allow primitive types	to be acce	ssed as objects	are call	led
	(A)	Base classes	(B)	Wrapper class	ses	
	(C)	Package classes	(D)	All of the above	ve	
	(E)	None of the above				
15.	App	lets do not have the concept of		(b)		
	(A)	Constructor	(B)	Class definiti	on	
	(C)	Overloading	(D)	All of the above	ve	
	(E)	None of the above				
16.	"JA	DE" stands for				
	(A)	Java Applet Development Environ	ment (B)	Java Advance	ed Desig	gn Editor
	(C)	Java Agent Development Environ	ment (D)	All of the abo	ve	
	(E)	None of the above				

7. WI	nich of the following is related to garb Array	(B)	Finalize
(C)	Final	(D)	All of the above
. (E	None of the above		
8. —	refers to the ability to l	have mo	re than one method with the same
	nature in an inheritance hierarchy.		
(A)) Inheritance	(B)	Polymorphism
(C) Multiple Inheritance	(D)	All of the above
(E	None of the above		
9. W	hich of the following operators cannot	be overl	oaded?
) .*	(B)	
(C) ?:	(D)	All of the above
(E) None of the above		
	hat happens if you assign a value to ze of the array?	an array	element whose subscript exceeds the
(A) Element is set to 0	(B)	Action is ignored
(C	Other data may be overwritten	(D)	Error
(E) None of the above		
	hich one can be preferably used when	n a choic	e among several alternatives must be
(A) Case statements	(B)	if statements
(C	While condition	(D)	All the above
(E	None of the above		
2. W	Thich of the following is/ are true for a	file man	ager?
(A	A) It maps a logical view onto blocks	in a stor	age device
(E	3) It allocates/deallocates blocks for	a file	
(C	2) It provides directories as collection	ns of files	
(I	O) All of the above		
(F	None of the above		

23.	-	is the process of ste	oring the state (of an object for the pui	pose of loading
		another time.			
	(A)	Buffering	(B)	Persistence	
	(C)	Serialization	(D)	All of the above	
it at anoth (A) Buffe (C) Seria (E) None 24. Non volati (A) CCD (C) BCD (E) None 25. The distar screen is k (A) Aspe (E) None 26. Which of t device on t (A) DMA (C) Dais (E) None 27. Which one (A) Hash (C) Over (E) None 28. A techniq with limit (A) Half (C) Retr (E) None 29. Maximum (A) 23	None of the above				
24.	Non	volatility is an important ad	lvantage of		
	(A)	CCD's	(B)	Magnetic tapes and	drives
	(C)	BCD's	(D)	All of the above	
	(E)	None of the above			
25.		distance between the cente en is known as	er of the phosph	or dot patterns inside	e of the display
	(A)	Aspect ratio (B) Fran	ne (C)	Pitch (D)	Bound
	(E)	None of the above			
26.		ch of the following enables p ce on the bus during polling		ass a signal down the	bus to the next
	(A)	DMA	(B)	Interrupt vectoring	
	(C)	Daisy chain	(D)	Cycle stealing	
	(\mathbf{E})	None of the above			
27.	Whi	ch one is used to store the ex	xternal storage a	address of the appropr	iate bucket?
	(A)	Hash table	(B)	Index table	
	(C)	Overflow bucket	(D)	Tree structure	
	(E)	None of the above			
28.		echnique used to present an a limited range of output val	- 10-01-01-01 NOV 101	fferent intensity valu	es on a display
	(A)	Halftoning technique	(B)	Sampling Technique	
	(C)	Retracing Technique	(D)	Controlled Display	echnique
	(E)	None of the above			
29.	Max	kimum number of devices cor	nnected to the si	ngle USB host	
			(C)	28-1 (D)	64
		None of the above			

30.	No s	sequence is to be impos	sed on the stora	ge of r	ecords in
	(A)	relative file organiza	tion .	(B)	indexed file organization
	(C)	sequential file organi	ization	(D)	indexed sequential file organization
	(E)	None of the above			
31.	In m	nagnetic drums, the cy	lindrical surface	e divid	ed into parallel bands called
	(A)	sectors (B)	tracks	(C)	blocks (D) files
	(E)	None of the above			
32.		8085 microprocessor, execution of any arithm			significant bit of the result following uction is stored in the
	(A)	Carry status flag		(B)	Auxiliary carry status flag
	(C)	Sign status flag	40	(D)	Zero status flag
	(E)	None of the above			
(A) rei (C) se (E) No 31. In magr (A) se (E) No 32. In a 808 the exec (A) Ca (C) Sig (E) No 33. In the reconnect (A) 25 (C) 32 (E) No 34. Vector a (A) 00 (C) 00 (E) No 35. The use (A) Ch (B) Ch (C) Bo (D) Al (E) No 36. Which o (A) E7	he memory mapped I\nected is	O technique, th	ne max	num numbers of I\O devices can be	
	(A)	255		(B)	65535
	(C)	32767		(D)	All of the above
	(E)	None of the above			
34.	Vect	tor address for the TRA	AP interrupt in	8085 N	Microprocessor is
	(A)	0022 H		(B)	003C H
	(C)	0034 H		(D)	All of the above
	(E)	None of the above			
35.	The	use of Schmitt trigger	is to		
	(A)	Change voltage to con	rresponding free	quency	7
	(B)	Change frequency to	voltage		
	(C)	Both (A) and (B)			
	(D)	All of the above			
	(E)	None of the above			
36.	Whi	ich of the following is t	he first integrat	ed logi	ic family?
	(A)	ETL (B)	DTL	(C)	TTL (D) MOS
	(E)	None of the above			

37.	In d	igital electronics, which	n of the following	g volta	age levels denote	logic	'0'?
	(A)	0 volt		(B)	0.4 volt		
	(C)	<0.8 volt		(D)	All of the above		
	(E)	None of the above					
38.	Whi	ch of the following does	not pertain to a	n inp	out or output that	is in	tri-state?
	(A)	High impedance		(B)	Isolated		
	(C)	neither logic '1' nor '0'		(D)	All of the above		
	(E)	None of the above					
39.	Whi	ch of the following logic	has the maxim	um fa	mout?		
	(A)	RTL (B)	ECL	(C)	NMOS	(D)	All the above
	(E)	None of the above					
		1,					
40.	Wha	at is the output of the fo	ollowing code?				
	mai	n()					
	{						
	int i	=10,j=20;					
	if(i=	=j);					
	prin	tf(""%d,%d",i,j)";					
	}						
	(A)	10, 20 (B)	20, 10	(C)	No output	(D)	Error
	(E)	None of the above					
41.	Prec	lict the output of this C	code				
	#inc	lude <stdio.h></stdio.h>					
		main (void)					
	{						
	int r	number = 112;					
	if (n	umber >= (unsigned) -1	112)				
		printf("Where are you'	?");				
	else				0.		
	prin	tf("How are you?");					
	if (n	umber < 112)					
	prin	tf("I am here.");					
	else						
	prin	tf("I am fine.");					
	}						
	(A)	Where are you? I am	here	(B)	How are you? I	am h	ere
	(C)	How are you? I am f		(D)	Where are you?		
	(E)	None of the above					

42.	Wha	at will be the output of this program?		
	mai	n()		
	{	10.00		
	int i	no_fish;		
	no_f	fish=1;		
	if (n	o_Fish==1)		
	prin	tf("The total no. of fish is one.\n");		
	else	;		
	prin	atf("The total no. of fish is more than or	ne.\n");
	}			
	(A)	The total no. of fish is one.\n		
	(B)	The total no. of fish is more than one	b.	
	(C)	The total no. of fish is one.		
	(D)	All of the above		
	(E)	None of the above		
43.	Part	tial dependency in a relation occurs du	e to th	e presence of
	(A)	Augmentation	(B)	Foreign keys
	(C)	Candidate keys	(D)	All of the above
	(E)	None of the above		
44.	Whi	ch of the following is not a capability of	of DBN	IS?
	(A)	It enables quick creation of models		
	(B)	It will keep track application usage		
	(C)	It is used to integrate model building	g block	S
	(D)	Interrelates models with appropriate	linka	ges through the database
	(E)	None of the above		
45.	If a	database is used by multiple users wit	hin ar	organization, it is a kind of
	(A)	Network database	(B)	Shared database
	(C)	Segment database	(D)	Multi database
	(E)	None of the above		
46.	The	E-R model is a tool can be used in whi	ich pha	ase of database development?
	(A)	Analysis	(B)	Design
	(C)	Feasibility	(D)	Implementation
	(E)	None of the above		

47.	neq	urrements ciarmes mainly		
	(A)	Project scope	(B)	Project size
	(C)	Project complexity	(D)	All the above
	(E)	None of the above		
48.	Inpu	at for estimating the effort, cost, and of the project.	time r	equired for developing the product is
	(A)	Requirements (B) Size	(C)	Scope (D) All the above
	(E)	None of the above		
49.	Prob	olems for which no algorithm exists ar	re calle	d
	(A)	Decidable (B) Undecidable	(C)	Non polynomial (D) NP-complete
	(E)	None of the above		
50.	The	was intended to compu	ite mat	hematical tables for engineering and
	scie	ntific projects.		
	(A)	Computer	(B)	Analytical Engine
	(C)	Difference Engine	(D)	Computing engine
	(E)	None of the above		
51.	DNS	S stands for		
	(A)	Data Native System	(B)	Domain Name System
	(C)	Distance Node System	(D)	All of the above
	(E)	None of the above		
52.	Whi	ch of the following field(s) is/are contr	ibute t	o AI?
	(A)	Mathematics	(B)	Neuroscience
	(C)	Control Theory	(D)	All of the above
	(E)	None of the above		
53.	Whi	ch acts as a proxy for the remote obje	cts?	
	(A)	Stubs	(B)	Skeletons
	(C)	Registry	(D)	Directory services
	(E)	None of the above		
54.	Wha	at is the type of exception will occur w	hen a r	remote object is not exported?
	(A)	Connect exception	(B)	Stub Not Found exception
	(C)	Activated Failed exception	(D)	No such object exception
	(T2)	NI and a fall and have		

55.		ich Line Clipping algorithm performs f a line?	ewer	comparison and division operations to						
	(A)	(A) Nicholl-Lee-Nicholl line clipping algorithm								
	(B)	Cohen-Sutherland line clipping algor	ithm							
	(C)	Liang-Barsky line clipping algorithm								
	(D)	Cyrus-Beck line clipping algorithm								
	(E)	None of the above								
56.	A sy	ystem that makes decisions by conside that leads to the best expected outcome	ering e is ca	all possible actions and choosing the						
	(A)	Rational Agent	(B)	Irrational Agent						
	(C)	Expert System	(D)	Decision making system						
	(E)	None of the above								
57.	In w	hich of the scheduling policies context	switc	hing never takes place?						
	(A)	SJF	(B)	Round robin						
	(C)	Pre-emptive	(D)	All of the above						
	(E)	None of the above								
58.	Rese	plution of externally defined symbols is	perfo	rmed by						
	(A)	Linker (B) Loader	(C)	Compiler (D) Assembler						
	(E)	None of the above								
59.	Spec	cial software to create a job queue is ca	lled a							
	(A)	Drive	(B)	Spooler						
	(C)	Interpreter	(D)	Linkage editor						
	(E)	None of the above								
60.	Frag	gmentation occurs in the case of								
	(A)	Uniform allocation	(B)	Linked allocation						
	(C)	Indexed allocation	(D)	All of the above						
	(E)	None of the above								
61.	YaC	C builds up								
	(A)	SLR parsing table	(B)	Canonical LR parsing table						
	(C)	LALR parsing table	(D)	All of the above						
	(E)	None of the above								

62.	Asp	ects of formulation of transformations	are		
	i.	denotation ii. concatenation iii	. Tra	nslation	
	(A)	i and ii (B) i and iii	(C)	ii and iii	(D) i , ii and iii
	(E)	None of the above			
63.	A –	(B ∪ C) is equal to			
	(A)	$(A - B) \cup (A - C)$	(B)	A - B - C	
	(C)	$(A - B) \cap (A - C)$	(D)	$A - B \cup C$	
	(E)	None of the above			
64.	OLA	AP stands for			
	(A)	Online Analytical Project	(B)	Online Application	on Processing
	(C)	Online Analytical Processing	(D)	Online Access Pe	rmission
	(E)	None of the above			
65.	And	orthographic projection is a			
	(A)	Perspective projection	(B)	Parallel projectio	n
	(C)	Oblique projection	(D)	Projection on a cu	urved surface
	(E)	None of the above			
66.		ich was the first supercomputer purch casting?	nased	by India for medi	um range weather
	(A)	PARAM (B) Cray XMP-14	(C)	Medha-930	(D) WeaFor I
	(E)	None of the above			
67.		ich one of the following is not an app phics?	roach	to add surface te	exture in computer
	(A)	Projected texture	(B)	Texture mapping	
	(C)	Texture synthesis	(D)	Solid texture	
	(E)	None of the above			
68.	Whi	ich of the following statement is not tru	e witl	n windows NT secu	rity architecture?
	(A)	Windows NT NTLM authentication p	rotoco	ol	
	(B)	Kerberos version 5 authentication pro	otocol		
	(C)	Delimited password authentication			
	(D)	Secure channel security services			
	(E)	None of the above			

69.	In li	nked lists, memory spa	ace will be allo	cated di	ıring		
	(A)	Compile time		(B)	Run time		
	(C)	preprocessing time		(D)	All of the above		
	(E)	None of the above					
70.	The	environment in which	search takes	place is	called		
	(A)	Problem space		(B)	Problem area		
	(C)	Problem web		(D)	All of the above		
	(E)	None of the above					
71.	An e	elementary data item c	haracterized b	ov its siz	e, length and type	e is call	ed as
	(A)	Field (B)	Record	(C)	File		ndex
	(E)	None of the above		,-,		,	
72.	The	adjacency matrix uses	а	— to stor	e the edges.		
Arteria	(A)	Singly linked list		(B)	One-dimensiona	al arrav	
	(C)	Queue		(D)	Matrix		
		None of the above					
73.	Data	a integrity implies that	t each and eve	ry data	packet contains		
	(A)	Un authentication in		(B)		informa	ation
	(C)			(D)	All the above		
	(E)	None of the above					
74.	Whi	ch of the following can	be used to de	clare ref	erence types?		
	(A)	Class		(B)	Interface	,	
	(C)	Delegate		(D)	All of the above		
	(E)	None of the above					
75.	The	address space of each	running proce	ss consi	sted of a		
	(A)	Set of instruction	0.1	(B)	Set of objectives	3	
	(C)	Set of segments		(D)	All of the above		
	(E)	None of the above					
76.	A no	ode is solvable if					
10.	(A)	It is a terminal node		(B)	It is a complex i	node	
	(C)	It is a real node		(D)	All of the above		
				(D)	in or the above		
	(E)	None of the above					

77.	Whi	Which of the following is most general phase - structured grammar?							
	(A)	Regular	3	(B)	Context - Sens				
	(C)	Context - free		(D)	Any one of the				
	(E)	None of the above		(2)	inity one or one	45070			
78.	Fine	d out the odd item							
	(A)	FireFox		(B)	Opera				
	(C)	Internet Explorer		(D)	Apache				
	(E)	None of the above							
79.	Fish bone diagram is used for detecting								
	(A)	risks analysis		(B)	cost analysis				
	(C)	Failure analysis		(D)	All of the above)			
	(E)	None of the above							
80	Wh	Which is a secient such law with COLO							
00.	(A)	Which is a major problem with SQL?							
	(B)								
	(B) The same query can be written in many ways, each with vastly different execution plans.								
	(C) SQL syntax is too difficult for non-computer professionals to use								
	(D)	All of the above							
	(E)	None of the above							
81.	A 20 litre mixture of milk and water contains milk and water in the ratio 3: 2. 10 litres of the mixture is removed and replaced with pure milk and the operation is repeated once more. At the end of the two removal and replacement, what is the ratio of milk and water in the resultant mixture? (A) 17:3 (B) 9:1 (C) 3:17 (D) 5:3								
		None of the above	0.1	(0)	5.17	(1) 0			
	(11)	Troile of the above							
82.	In what ratio must a person mix three kinds of tea costing Rs. 60/kg, Rs. 75/kg and Rs. 100 /kg so that the resultant mixture when sold at Rs. 96/kg yields a profit of 20%?								
	(A)	1:2:4 (B)	3:7:6	(C)	1:4:2	(D) 2	: 3:4		
	(E)	None of the above							
83.	and	A merchant mixes three varieties of rice costing Rs. 20/kg, Rs. 24/kg and Rs. 30/kg and sells the mixture at a profit of 20% at Rs. 30 / kg. How many kgs of the second variety will be in the mixture if 2 kgs of the third variety is there in the mixture?							
	(A)	1 kg (B)	5 kgs	(C)	3 kgs	(D) 6	kgs		
	(E)	None of the above							

84.	con	w many litres of taining milk and water in it?							
	(A)	7 litres	(B)	10 litres	(C)	5 litres	(D) 8 litre	es	
	(E)	None of the ab	oove						
85.	con	ample of x litre taining milk and tainer will have	d wate	r in the ratio	o of 2 : 3 is	s replaced wit	th pure milk so	that the	
	(A)	6 litres	(B)	10 litres	(C)	30 litres	(D) 15 lits	es	
	(E)	None of the ab	ove						
86.	A zookeeper counted the heads of the animals in a zoo and found it to be 80. When he counted the legs of the animals he found it to be 260. If the zoo had either pigeons or horses, how many horses were there in the zoo?								
	(A)	40	(B)	30	(C)	50	(D) 60		
	(E)	None of the ab	ove						
87.	up v	From a cask of milk containing 30 litres, 6 litres are drawn out and the cask is filled up with water. If the same process is repeated a second, then a third time, what will be the number of litres of milk left in the cask?							
	(A)	0.512 liters	(B)	12 liters	(C)	14.38 liters	(D) 15.36	liters	
	(E)	None of the ab	ove						
88.	What is the value of M and N respectively? If M39048458N is divisible by 8 & 11; Where M & N are single digit integers?								
	(A)	7, 8	(B)	8, 6	(C)	6, 4	(D) 5, 4		
	(E)	None of the ab	ove						
89.	Rajiv sold an article for Rs. 56 which cost him Rs. x . If he had gained $x\%$ on his outlay, what was his cost?								
	(A)	Rs. 40	(B)	Rs. 45	(C)	Rs. 36	(D) Rs. 28		
	(E)	None of the ab	ove						

90.	(65)	If apples are bought at the rate of 30 for a rupee. How many apples must be sold for a rupee so as to gain 20%?							
	(A)	28	(B)	25	(C)	20	(D)	22	
	(E)	None of the ab	ove						
91.		erchant marks al to the selling						50 articles is	
	(A)	25%	(B)	50%	(C)	100%	(D)	66.67%	
	(E)	None of the ab	ove						
92.	Two boys begin together to write out a booklet containing 535 lines. The first boy starts with the first line, writing at the rate of 100 lines an hour; and the second starts with the last line then writes line 534 and so on, backward proceeding at the rate of 50 lines an hour. At what line will they meet?								
	(A)	356	(B)	277	(C)	357	(D)	267	
	(E)	None of the ab	ove						
93.	of 8	Ram covers a part of the journey at 20 kmph and the balance at 70 kmph taking tota of 8 hours to cover the distance of 400 km. How many hours has been driving a 20 kmph?							
	(A)	2 hours			(B)	3 hours 20	minutes		
	(C)	4 hours 40 min	nutes		(D)	3 hours 12	minutes		
	(E)	None of the ab	ove						
94.	A train travels at an average speed of 90 km/hr without any stoppages. However, it average speed decrease to 60km/hr on account of stoppages. On an average, how many minutes per hour does the train stop?								
	(A)	12 minutes	(B)	18 minu	ites (C)	24 minutes	(D)	20 minutes	
	(E)	None of the ab	ove						
95.	A man moves from A to B at the rate of 4 km/hr. Had he moved at the rate of 3.67 km/hr, he would have taken 3 hours more to reach the destination. What is the distance between A and B?								
	(A)	$33~\mathrm{kms}$	(B)	132 kms	(C)	$36~\mathrm{kms}$	(D)	144 kms	
	(TE)	None of the al	OTIC						

96.	A and B working together can finish a job in T days. If A works alone and completes the job, he will take $T+5$ days. If B works alone and completes the same job, he will take $T+45$ days. What is T ?							
	(A) 25 (B) 60 (C) 15 (D) 35							
	(E) None of the above							
97.	A man can do a piece of work in 60 hours. If he takes his son with him and both work ogether then the work is finished in 40 hours. How long will the son take to do the ame job, if he worked alone on the job?							
	(A) 20 hours (B) 120 hours (C) 24 hours (D) 90 hours							
	(E) None of the above							
98.	A red light flashes 3 times per minute and a green light flashes 5 times in two minutes at regular intervals. If both lights start flashing at the same time, how many times do they flash together in each hour?							
	(A) 30 (B) 24 (C) 20 (D) 60							
	(E) None of the above							
99.	Ram, who is half as efficient as Krish, will take 24 days to complete a work if he worked alone. If Ram and Krish worked together, how long will they take to complete the work?							
	(A) 16 days (B) 12 days (C) 8 days (D) 18 days							
	(E) None of the above							
100.	The mean temperature of Monday to Wednesday was 37°C and of Tuesday to Thursday was 34°C. If the temperature on Thursday was 4/5 th that of Monday, the emperature on Thursday was							
	(A) 36.2 (B) 36.5 (C) 36 (D) 36.7							
100	(E) None of the above							