RGUCET 22 Common Entrance Test, 2022 Ph.D. IN COMPUTER SCIENCE AND ENGINEERING

1	Inferring about	the entire population	based on data g	athered on a smal	ll sub	set is referred to					
	as										
	a) deductive	b) inductive	c) objective	d) pseudo-	(b)	inductive					
	inference	inference	inference	inference		inference					
2	A null hypothes	is is defined as									
	a) hypothesis b) Hypothesis that c) d)proposed (a) hypothesis of										
	of no	assigns value of	Hypothesis	proposition in		no difference					
	difference	zero to the	of zero	the hypothesis							
		variable	significance	test							
3	Which of the following sampling methods is non-probabilistic?										
	a) Simple	b) Systematic	c) Cluster	d) Quota	(d)	Quota					
	random	samplin4	sampling	sampling		sampling					
	sampling										
4	Which of the fo	llowing sampling me	thods is general	ly preferred for a	popu	lation of finite					
	size?										
	a) Cluster	b) Area sampling	c)	d)Purposive	(c)	Systematic					
	sampling		Systematic	sampling		sampling					
			sampling								
_	TTI T '4 1'										
5	The Longitudina	al approach of Resear	rch deals with								
	a) Long-term	b) Short-term	c)	d)Both (B)	(a)	Long-term					
	researches	researches	Horizontal	and (C)		researches					

			researches								
6	Which of the fol	llowing research focu	ises on factual g	goals?							
	a)	b) Theoretical	c) Historical	d)Behavioural	(c)	Historical					
	Philosophical	researches	researches	researches		researches					
	researches										
7	Action research	is a type of									
	a) Applied	b) Quality	c) Working	d)Survey	(a)	Applied					
	research	research	research	research		research					
8	Which of the following is the first step in a research process?										
	a) Selecting a	b) Development of	c)	d)Writing a	(c)	Formulating					
	tonic	a hypothesis	Formulating	summary	(C)	research					
	topic	anypoulesis	research	summary		nrohlem					
			problem			problem					
			problem								
9	Primary data for	the research process	can be collecte	d by							
	a) Experiment	b) Survey	c) Literature	d)Both (A)	(d)	Both (A) and					
			review	and (B)		(B)					
10	Listing of book	iournals and other a	louroog uged in a	the recorreb							
10	Listing of books	s, journals and other s	sources used in	ine research							
	a) Footnote	b) Quotations	c)	d)Biography	(c)	Bibliography					

			Bibliography								
11	List of special te	erms and phrases used	d in a research r	eport is given in	the fo	orm of a:					
	a) Footnote	b) Glossary	c) Quotations	d)References	(b)	Glossary					
12	What types of q	uestions are typically	asked during in	nterviews?	1	I					
	a) Open-ended	b) Close-ended	c) Puzzling	d)Natural	(a)	Open-ended					
13	Which of the following completes the research process?										
	a) Research note	b) Report writing	c) Summary writing	d)Preface writing	(b)	Report writing					
14	A short summar	y of Technical Repor	t is called	L	1	L					
	a) Article	b) Publication	c) Guide	d)Research Abstract	(d)	Research Abstract					
15	Failure to ackno	wledge the borrowed	material is call	ed	1						
	a) Plagiarism	b) Acknowledgement	c) Citation	d)Index	(a)	Plagiarism					
16	The concrete ob as	servable events that r	epresent abstrac	ct concepts or ent	tities a	are referred to					
	a) Data	b) Sample	c) Variable	d)Proposition	(c)	Variable					
17	Facts, figures, and referred to as	nd other pertinent ma	terials that serv	e as the foundation	on for	a study are					

	a) Sample	b) Data	c) Method	d)Theory	(b)	Data						
18	The measureme	nt scale in which valu	ues are categoriz	zed to represent q	ualita	tive differences						
	and ranked in a	meaningful manner i	s called									
	a) Valid Scale	b) Discrete Scale	c) Ordinal	d)Continuous	(c)	Ordinal Scale						
			Scale	Scale								
19	Under which CC license, users are free to copy, add and redistribute the contents, even											
	commercially											
	a) CC-BY-NC b) CC-BY c) CC-BY- d)CC-BY-ND (d) CC-BY-ND											
			SA									
20	The creation/ad	dition of data observ	ations or charac	teristics that did a	not or	our during data						
20	I ne creation/addition of data, observations or characteristics that did not occur during data											
	confection of exj	perimentation is cane	u.									
	× .											
	a)	b) Falsification	c)	d)Fabrication	(d)	Fabrication						
	a) Paraphrasing	b) Falsification	c) Plagiarism	d)Fabrication	(d)	Fabrication						
21	a) Paraphrasing If the observation	b) Falsification	c) Plagiarism e, -7, -21, -32, -	d)Fabrication 47 and -38, then t	(d)	Fabrication						
21	a) Paraphrasing If the observation will be:	b) Falsification	c) Plagiarism e, -7, -21, -32, -	d)Fabrication 47 and -38, then t	(d)	Fabrication						
21	 a) Paraphrasing If the observation will be: a) -54 	b) Falsification	c) Plagiarism e, -7, -21, -32, -	d)Fabrication 47 and -38, then t d)54	(d) the va	Fabrication lue of the range						
21	 a) Paraphrasing If the observation will be: a) -54 	b) Falsification ons of a variable X are b) -40	c) Plagiarism e, -7, -21, -32, - c) 40	d)Fabrication 47 and -38, then t d)54	(d) he va	Fabrication lue of the range 40						
21	 a) Paraphrasing If the observation will be: a) -54 Standard Deviation 	 b) Falsification ons of a variable X are b) -40 ion of X and are S.D 	 c) Plagiarism e, -7, -21, -32, - c) 40 (X) = 3 and S.E 	 d)Fabrication 47 and -38, then the d)54 D(Y) = 4 respective 	(d) the value (c) rely. I	Fabrication lue of the range 40 f X and Y are						
21	 a) Paraphrasing If the observation will be: a) -54 Standard Deviate independent rangement 	 b) Falsification ons of a variable X are b) -40 ion of X and are S.D dom variables, then S 	 c) Plagiarism e, -7, -21, -32, - c) 40 (X) = 3 and S.E S.D(X-Y) is: 	d)Fabrication 47 and -38, then t d)54 D(Y) = 4 respectiv	(d) the value (c) rely. I	Fabrication lue of the range 40 f X and Y are						
21	 a) Paraphrasing If the observation will be: a) -54 Standard Deviate independent randing a) 1 	 b) Falsification ons of a variable X are b) -40 ion of X and are S.D dom variables, then S b) 5 	 c) Plagiarism e, -7, -21, -32, - c) 40 (X) = 3 and S.E S.D(X-Y) is: c) 7 	 d)Fabrication 47 and -38, then the distribution d)54 d)7 (Y) = 4 respective d)25 	(d) he va (c) rely. I	Fabrication lue of the range 40 f X and Y are 5						
21 22 23	 a) Paraphrasing If the observation will be: a) -54 Standard Deviate independent randing a) 1 Find the mediant 	 b) Falsification b) Falsification ons of a variable X are b) -40 dom of X and are S.D dom variables, then S b) 5 of the students visiti 	 c) Plagiarism e, -7, -21, -32, - c) 40 (X) = 3 and S.D S.D(X-Y) is: c) 7 ng a library on 	 d)Fabrication 47 and -38, then the distribution d)54 d)25 7 consecutive day 	(d) he va (c) rely. I (b)	Fabrication Ilue of the range 40 f X and Y are 5 1,713, 717, 713,						
21 22 23	 a) Paraphrasing If the observation will be: a) -54 Standard Deviate independent randition a) 1 Find the mediant 823,825,719 	 b) Falsification ons of a variable X are b) -40 dom of X and are S.D dom variables, then S b) 5 of the students visiti 	 c) Plagiarism e, -7, -21, -32, - c) 40 (X) = 3 and S.E S.D(X-Y) is: c) 7 ng a library on 	 d)Fabrication 47 and -38, then the second secon	(d) he va (c) rely. I (b)	Fabrication Ilue of the range 40 f X and Y are 5 1,713, 717, 713,						
21 22 23	 a) Paraphrasing If the observation will be: a) -54 Standard Deviate independent rannel a) 1 Find the mediane 823,825,719 a) 713 	 b) Falsification b) Falsification ons of a variable X are b) -40 dom variables, then S b) 5 of the students visiti b) 823 	 c) Plagiarism e, -7, -21, -32, - c) 40 (X) = 3 and S.D (X) = 3 and S.D S.D(X-Y) is: c) 7 ng a library on c) 825 	 d)Fabrication 47 and -38, then the second secon	(d) the value (c) (c) (ely. I (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	Fabrication Ilue of the range 40 f X and Y are 5 1,713, 717, 713, 717						
21	 a) Paraphrasing If the observation will be: a) -54 Standard Deviate independent rand a) 1 Find the mediant 823,825,719 a) 713 	 b) Falsification b) Falsification ons of a variable X are b) -40 dom variables, then S b) 5 of the students visiti b) 823 	 c) Plagiarism e, -7, -21, -32, - c) 40 (X) = 3 and S.D S.D(X-Y) is: c) 7 ng a library on c) 825 	 d)Fabrication 47 and -38, then the second secon	(d) the va (c) rely. I (b) /s 711 (d)	Fabrication lue of the range 40 f X and Y are 5 1,713, 717, 713, 717						

24	Which distribution	n looks like a norm	distribution but	with a very heav	y tail							
	a) Continuous b) Cauchy	c) Discrete	d)Simple	(b)	Cauchy						
25	The par	ameter influence th	e spread of the o	listribution abou	it its r	nedian						
	a) Scale b) Mode	c) Mean	d)Variance	(a)	Scale						
26	An epsilon produc	tion is chosen by a	predictive parse	er using	(b)							
	P. FIRST set											
	Q. FOLLOW set). FOLLOW set										
	R. NULLABLE set											
	Pick the correct op											
	a) P only											
				and R								
27	Consider the Mea	ly machine below:			(c)							
	1/0 q_0 0/0 q_0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 1/1 0/0 0/1 0/0 0/1 0/0 0/1	The minimum num	ber of states of ore machine is	the								
	a) 5	b) 6	c) 7	d) 8								
28	Consider the DFA	D below:			(c)							
	$\begin{array}{c} & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & & \\ & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ &$	Consider the DFA D below: q_1 q_2 q_1 q_2 q_2 q_1 q_2 q_2 q_3 q_4 q_5 q_1 q_2 q_3 q_4 q_5 q										

29	a) Co and The m	ontains O's d 1's only naximum nu	b) mbe	Contains 0's and 1's only and ends with 0 r of edges in a	c) bipa	Can contain ϵ also and ends with 0	d) 10 v	None of these ertices is	(c)		
			b)	20	c)	25	(h	30			
	u) 13		5)	20	0,	25	u)	50			
30	The m any pl	inimum nu anar graph i	mber is	of colours that	t is :	sufficient to ver	rtex	-colour	(b)		
	a) 3		b)	4	c)	5	d)	6			
31	Verte	k cover prot	olem	belongs to			1		(b)		
	a) Ps	et of	b)	NP	c)	NP-hard	d)	Neither			
	pro	oblems		complete				in P nor			
								in NP			
32	Ad	ligital circu	it tha	at can store o	nly	one bit is a	•				
	a) F	Register	b)N	OR gate	(c)Flip-flop		d)XOR g	jate		С
33	Sul Sul	ppose the correct?	outp	ut of an XNO	Rg	ate is 1. Whic	h o	f the giver	n input coml	bina	tion
	a) /	A = 0, B'	b)A	= 1, B = 1	(c) A = 0, B = 1		d)A = 0,	B = 0		d
34	h The	e AND ope	eratio	on is equivaler	nt to	C					
	a) l	Jnion	b)ln	tersection	(c) Division		d) Both and b	option a		b
35	i The kno	e basic bu own as	ildin	g blocks of t	he	arithmetic log	jic ι	unit in dig	ital comput	ers	are
	a) A	Adders	b)At	ttenuator	0	c)Demultiplexe	er	d)Subtra	ctors		а
36	Pip	elining inc	reas	es		of the pro	cess	sor.			
	a)T	hroughp	b)St	orage	(c) Predictivity		d) Lateno	cy		а

	ut								
37	Which of the	following memory i	mproves the speed	d of execution of a pro	ogra	ım?			
	a) Primary memory	b)Cache memory	c) Secondary memory	d)Virtual memory		b			
38	What type of user?	f device converts dig	jital signals into a f	form that is intelligible	e to	the			
	a) Storage device	b)Input device	c) Output device	d) Keyboards		С			
39	Which metho	od bypasses the CPU	for certain types o	of data transfer?					
	a) Software interrupts	b)Interrupt driven I/O	c)Polled I/O	d)Direct Memory Access (DMA)		d			
40	A register in the microprocessor that keeps track of the answer or result of any arithmetic or logic operation is the								
	a)Stack pointer	b)Instruction pointer	c) Program counter	d) Accumulator		d			
41	The excess-	3 code for 580 is give	en by						
	a) 100010110 111	b)100010110011	c)1000100101110	d)100001010110		b			
42	The stack is	also known as							
	a)Flash memory	b)LIFO memory	c) Flash memory	d) FIFO memory		b			
43	DeMorgan's	Law states that							
	a) (A+B)' = A'*B	b)(AB)' = A' + B'	c) (AB)' = A' + B	d)(AB)' = A + B		b			
44	20) The num	ber of Minterms for t	three variables						
	a) 8	b)16	c) 2	d) 1		а			
45	What is the r	adix of the hexadeci	mal number syster	m?					

	a) 2	b)10	c)8		d)16			d					
46	1. The	number of tokens	s in the following $-\frac{7}{2}$ with the following	C stateme	ent.								
	a) 3	b) 2	= % x, I, $% I$); IS c) 10	d) 21		c)	10						
			-,			-,							
47	2. The	value of j at the e	nd of the execution	n of the fo	ollowing C	C prog	gram.						
		int incr(int i)											
		{	static int count -	0.									
			count = count + i	U;									
			return (count);	2									
	} int main ()												
		int i,j;											
	for $(i = 0; i \le 4; i++)$ i = incr(i):												
	J = incr(1); printf("%d",j);												
		}	2 7 77			r							
	a) 10	b) 4	c) 6	d) 7		a)	10						
48	3. Whi	ich two features of	f object-oriented p	rogrammi	ing are the	sam	e?						
	a) Abstr	b)	c)	d)		d)	Encap	sulation					
	action and	Inheritance	Encapsulati	Enca	apsulatio		and						
	Poly	Encapsulati	Polymorphis	Abst	traction		Abstra	ction					
	morp hism	on features	m features										
	featur	same	same										
	es are												
	the												
	same												
49	4 Whi	ch of these is NO	T a relational or lo	gical one	rator?								
	,,,,,,			Brear ope									
	a) =	b)	C) ==	d) !=		a)	=						
50	The keywo	rd `break' cannot	be simply used v	vithin		I							
_	- /		1 /										

	a) do- while	b) if-else	c) for	d) while	b)	lf-else				
51	Which key	word is used to sk	kip out stateme	nts of a loop ar	nd re-evalu	ate the exit				
	condition?									
	a) break	b) continue	c) return	d) exit	(b)	Continue				
52	The feature	e by which one ob	bject can intera	ct with another	object is ?					
	a) Mess age readi ng	b) Data transfer	c) Message Passing	d) Data Binding	c)	Message Passing				
53	In multilev	el inheritance, wh	nich is the most	significant feat	ure of OOF	P used?				
	e) Code effici ency	f) Code readability	g) Flexibility	h) Code reusabili	d) ty	Code reusability				
54	How to access data members of a class?									
	a. Dot, arrow or direct call	b. Dot operator	c. Arrow operator	d. Dot or arrow as required	d)	Dot or arrow as required				
55	The over	erall complexity of	f merge sort algo	orithm is						
	a. O(n)	b) O(log n)	c) O(n2)	d) C log	D(n d)	O(n log n)				
56	Minimum r	number of moves re	required to solve	a Tower of Han	<i>oi</i> puzzlew	ith n disksis				
	a) 2 ⁿ	b)2 ⁿ⁻¹	c) 2 ⁿ -1	d)2n-1	c)	2 ⁿ -1				
57	Prefix notat	ion is also known	as							
	a) Reverse	b) Reverse	c) Polish Rev	erse d) Polis	h d)	Polish				
	Polish Notation	Notation	Notation	Notatio	on	Notation				

58	The number	of swapping needed	d to sort numbers 18,	32,17,19,41,29	,15,23	in ascending				
	order using	bubble sort is?								
	a) 12	b) 13	c) 14	d) 15 c)	14				
59	What is	the load factor?								
	a) Avera ge array size	b) Average key size	c) None of the mentioned	d) Averag c e chain length	1)	Average chain length				
60	What is	the best-case compl	exity of building a h	eap?						
	a) O(n*lo g(n))	b) O(n ²)	c) O(n)	d) O(n*long(n) *log(n))	c)	O(n)				
61	What is the maximum height of an AVL tree with P nodes?									
	a) P	b) <i>log</i> ₂ (<i>P</i>)	c) $log_2(P)/2$	d) P/2	b)	log ₂ (P)				
62	The maximu	um number of nodes	in a binary tree at le	vel i is?	1					
	a) 2^{i-1} , $i \ge 1$	b) 2 ⁱ , i>=0	c) 2^{i+1} , $i \ge 1$	d) 2log(i), i>=1	b)	2 ⁱ , i>=0				
63	A node number	in a B+ tree can con of keys in leaves?	tain a maximum of 7	pointers. What	is the	minimum				
	a) 6	b) 3	c) 4	d) 7	b)	3				
64	The output of	of the following code	e will be							
	#includ	e <stdio.h></stdio.h>								
	int mair	I()								

	{							
	i	nt $a = 1, b = 2, c = 3$;					
]	printf("%d",a+=(a+=	=b,4	,a));				
]	return 0;						
	}	r	1		1			
	a) 4	b) 6	c)	Garbage	d)	Error	b)	6
				Value		message		
65	The deleted	records forms a link	ced i	list which is know	wn a	S		I
	a) Delete	b) Void list	c)	Free list	d)	Non-Exist	c)	Free list
	List					List		
66	If an optima	al solution can be ob	otair	ned for a problem	n by	obtaining opt	imal	solutions for
	its subproble	ems, the problem po	sse	sses property call	ed.	• •		
	a) Optim	b) Overlapping	c)	Memorization	d)	Greedy	a)	Optimal
	al	subproblems				Approach		substructur
	substru							е
	cture							
67	In an E-R di	agram, the total pai	tici	pation by entities	5 1S T	epresented as:		
	a) Dashed	b) Double		c) Double	d)	Circle	С	Double
	line	rectangle		line				line
								line
68	In which no	rmal form, the repea	ting	g attributes are re	mov	red to separate	tabl	es :
	a) First	b) Second		c) Third Normal	d)	Fourth	A	First
	Form	Form		Form		INOTHIAL FOLL	1	Normal
								Form

69	The indexing ca	an slow down :				
	a) SELECT	b) INSERT	c) UPDATE	d) Both B and C	D	Both B
	query	Statement	statement			and C
70	Which of the fo	llowing is used for	a binary many-to	-many relationship t	o be	come the
	prime attribute:					
	a) Union of	b) Intersection	c) Primary	d) Primary key	А	Union of
	primary	of primary	key of	on the many		primary
	keys.	keys.	either one.	side.		l'and
						keys.
71	When an attribu	ite <i>name</i> is structure	ed as consisting o	of first name, middle,	and	l last name,
	then this type of	f attribute is called.	-			
	then this type of	i utilibuto is cuilcu.				
	a) Simple	b) Multi-valued	c) Derived	d) Composite	D	Composite
	attribute	attribute	attribute	attribute		attribute
72	Every non prim	e attribute of a relat	tion is fully funct	ionally dependent or	the	primary
	key, then the rel	lation will be in:				
	a) First	b) Second	c) Third	d) Fourth	В	Second
	Normal	Normal	Normal	Normal Form		Normal
	Form	Form	Form			E
						Form
73	Let R(A.B.C.D.	E.X.Y) be a relation	nal schema in wh	ich the following FI)s at	e known to
	hold AD CD		V > C and D >	V The relation sche	ma	
	noiu. AD -> CL	и, DE - ∕ A, C - ∕ E,	$\Lambda - 2 C allu D - 2$	1. The relation sche	ma	IX 18.
	a) in 2NF	b) in 3NF, but	c) in BCNF	d) not in 2NF	D	not in 2NF
	****	not in BCNF				
74	When building	a database, the data	dealing with an e	entity is modeled as	a:	
	a) Attribute	b) Class	c) Object	d) Table	А	Attribute

75	Which of the following command does not come under TCL ?						
	a) COMMIT	b) ROLLBACK	c) UPDATE	d) SAVEP	OINT	С	UPDATE
76	In an E-R diagram, a Weak entity set is represented as:						
	a) Double rectangle	b) Underline	c) Double line	d) Double diamond	1	А	Double rectangle
77	Which one of the following ensures that all UPDATE and INSERTs satisfy the conditions in the view definition?						
	a) Uncheck	b) Check	c) With Check	d) With		C	With Check
78	Let R(ABCD) be a relation schema, and F={A->BC, AB->D, B->C) be the set of functional dependencies defined over R. which of the following represents closure of attribute set {B}:						
	a) {A,C,D}	b) { B , C }	c) {A,B,C}	d) {B}		B {	B,C}
79	If every non-key attribute is functionally dependent on primary key, then the relation will be in						
	a) 1NF	b) 2NF	c) 3NF	d) BCNF		С	3NF
80	While transforming an ER diagram to relational tables, the attribute that isn't considered in a table is:						
	a) Composite	b) Derived	c) Multi- valued	d) Single-V	alued	В	Derived
81	The subset of a Super key is a candidate key if:						
	The FTP client initiates both the control and data connections in the mode?						
	a)Active mode	b)Sleep mode	c)passive mode	d)inhibit mode	c)	pas	ssive mode
82	Message letters order is rearranged in cryptography by the						
	a)transpositional	b)substitution	c)Good	d) Bad	a)	tra	nspositional

	ciphers	ciphers	ciphers	ci	phers			ciphe	ers	
83	The URL is a standard for specifying any kind of information on the?									
	a)Internet	b)Server End	c)Client	d)	Webpage	a)	Inter	net	
			End							
84	What class of IP address is reserved for multicast communication?									
	a)Class A	b)Class B	c)Class C	d)	Class D	d)	Clas	s D	
85	Which of the following computer networks is built on the top of another network?									
	a)Prior Network	b)Overlay	c)Chief	d)	d)Proxy)	Over	lay	
		Network	Network	N	etwork			Netv	vork	
86	The 16 bit flag of 8086 microprocessor is responsible to indicate									
	a)the condition	b) the condition	c) the result	of	d) the				а	
	of result of ALU	of memory	addition		result of					
	operation				subtractio	n				
87	Executable code is the output of									
	a)Assembler	b)Linker	c)Loader		d)				b	
					Compiler					
88	If PE=1, then 80386 DX microprocessor operates in						I			
	a)Real mode	b)Virtual 86	c)Protected		d)Special				С	
		mode	mode		mode					
89	A top Down parser generates									
	a)left-most	b)left-most	c)Right-most		d)Right-				b	
	derivation in	derivation	derivation in		most					
	reverse		reverse		derivation					
90	The action where a source program is parsed into an appropriate syntactic class is									

called						
a)General syntax analysis	b)Interpretation analysis	c)Syntax analysis	d)Lexical analysis		d	

91	Which one of the following is a real time operating system?									
	a)RTLinux	b)VxWorks	c)Mac OS	d) Both (a) and	D					
				(b)						
92	Hard real time operating system has jitter than a soft real time									
	operatingsystem.									
	a)less	b)more	c)equal	d)opposite	A					
93	Which one of the following resources are always be protected by the operating system?									
	a) CPU	J b) I/O c) Memory d)			C					
94	Where the operating system keeps the information of files in a table?									
	a) Directory	b) File Allocation	c) File Index Table	d) File Folder	В					
	Index Table	Table		Table						
95	5 Which one of the following Scheduling algorithms allocates the CPU first to the proce									
	that requests the CPU first?									
	a) Priority	b)shortest job	c) First-come, first-	d)B and A	C					
	scheduling	scheduling	served scheduling							
96	To which softw	vare category does Knowl	edge based system belong	<u>1</u> 58?						
	a) System software	b) Real time software	c) Embedded software	d) Artificial Intelligent software	D					
97	Which box spe	cification is not associated	d with clean-room approad	ch?						
	a) Black box	b) Clear box	c) State box	d) White box	D					
98	The entity relationship diagram									

	a) Depicts relationships between data objects	b) Depicts functions that transform the data flow	c) Indicates how data are transformed by the system	d) Indicates system reactions to external events		A				
99	Which is not involved in software development process?									
	a) People	b) Problem	c) Practice	d) Process		С				
100	Which of the following is not an area of concern in the design model?									
	a) Architecture	b) Data design	c) Interfaces design	d) Project scope		D				