1	Fill in the blan	ks with words giv	ven below:						
-				seat on my flight					
	back.								
	a)confirm	b)confirmed	c)confirming	d)confirmation		(d)			
2	Rough:Smooth	1							
	Surface :								
		rect option below							
	a)Veneer	b)Interior	c)Appearance			(b)			
3	~		ne following senter						
	•		ne but otherwise m	y whole family					
	attended the ce								
	a) ceremony	b)brother	c)family	d)eldest		(c)			
4		rect meaning of p l right on the head							
	a)To do the	b)To destroy	c)To announce	e d)To harm		(a)			
	right thing	one's reputatio		someone		(a)			
	fight thing	one s reputatio	views	someone					
5	Practically, ver	ry little work coul		the last week as it w	vas				
C	Practically, very little work could be completed in the last week as it was								
	a) full of	b) a very	c) full of	d) a very busy		(c)			
	working days	hectic week	holidays	week					
6	Let $A = \{x : x \in I\}$	Z and $x^2 \le 4$ and	$\mathbf{B} = \{ x : x \in \mathbf{R} \text{ and} $	$dx^2 - 3x + 2 = 0$ . The	nen,				
	-	-	-	-					
	a) A = B	b) $A \neq B$	c) $A \in B$	d) A ∉ B	B	$A \neq B$			
7	Let $A = \{ 1, 2, 3, $	4,5,6,7,8,9,10} ar	nd B = $\{3,5,7,9\}$ the second	nen which of the foll	lowir	ng is true?			
	a) $A \cap B =$	b) $A \cap B = B$	c) $A \cap B \neq B$	d) $A \cap B = A U$	B	$\mathbf{A} \cap \mathbf{B} = \mathbf{B}$			
	A			В					
0	In a aggisty 50	naanla anaalt Ena	lich 20 speek Hir	di and 10 analy hat	h En	aich and			
8				ndi and 10 speak both of these two languation					
	Timui. The hum	ider of people with	speak alleast one	of these two fangua	uges,	15			
	a) 40	b) 20	c) 60	d) 80	C	60			
	u) 10	0) 20	<b>c</b> ) 00	<b>u</b> ) 00	C	00			
9	Variance of the	data (2,4,5,6,8,17	<i>t</i> ) is 23.33. Then,	variance of (4, 8,10,	,12,1	6,34) is:			
		b) 25.33	c) 46.66	d) 48.66	C	46.66			
	,	,	,	,					
10	The measure of	variability which	is independent of	units, is called	· ·				
	a) Mean	b) Variance	c) Standard	d) Coefficient of	D	Coefficient			
	deviation		deviation	variation		of variation			
11	The total number	er of elementary e	events associated to	o the random experiment	ment	of throwing			
	three die togethe		1	1					
	a) 210	b) 216	c) 215	d) 220	В	216			

12	If A and B are	mutually exclusive	e events, then							
	a) $P(A) \le P(\overline{B})$	b) $P(A) \ge P(\overline{B})$	c) $P(A) < P(\overline{B})$	d) $P(A) > P(\overline{B})$	A	$\begin{array}{c} P(A) \le \\ P(\bar{B}) \end{array}$				
13	If $P(x)$ is a 4 de	gree polynomial, t	then number of ro	ots are:						
	a)1	b)2	c)3	d)4	D	4				
14	A polynomial e	equation has :								
	a) Atleast	b) Atleast one	c) Atmost	d) Atmost two	B	Atleast one				
	two roots	root	three roots	roots		root				
15		form of $2(\cos 0^0 +$		T		T				
	a) $2 + i$	b) $2 + 0i$	c) $2 + 2i$	d) 2 – 2 <i>i</i>	B	2 + 0i				
16	Find the missing numbers in the following series: 1,2,5,7,11,,19									
	a)13	b)14	c)15	d)16	b	14				
17	Replace the ? with an appropriate number in the series 6,12,24,42,66,?									
	a) 76	b) 86	c) 94	d) 96	d	96				
18	Find the missing letter series from the following : AD,EH,IL,,QT,UX									
	a)MN	b)MO	c)MP	d)MQ	c	MP				
19	Find the missing AZ,BY,CX,DW	g letter series from	the following:							
	a)EX	b)EU	c)EY	d)EV	d	EV				
20		the capitalized pai	-	n that express the roon.	elatio	onship that is				
	a)Axe:Wood	b)Stone:Grinde	er c)Knife:Stone	e d)Gun:Hunt	a	Axe:Wood				
21	most familiar to DOCTOR : HO	the capitalized pai	ir given in questio		elatio	-				
	a)sports fan: stadium	b)cow:farm	c)professor: college	d)criminal:jail	c	professor: college				
22		the capitalized pai		n that express the room.	elatio	onship that is				
	a)chair:table	b)carpenter:cha	:yardstick	d)glass:cup	с	foot rule :yardstick				
23	In a given code RUSTIC writter		as 535301. UNCL	E as 84670 and BC	OY as	5 129. How is				
	a)633185	b)185336	c)363815	d)581363	b	185336				

24	Which one is the smallest country in the world ?							
	a)Spain	b)Chili	c) Peru	d) Vatican city	d	Vatican city		
25	Which country own the 2018 FIFA worldcup ?							
	a)Spain	b)France	c)Brazil	d)USA	b	France		

26	In theory of compu	utation, DFA s	tands	s for					
	a)Deterministic Finite Automaton	b)Daniel Flov Algorithm	Algorithm		•	d)Determi ic Flooding Algorithm			(a)
27	The Chomsky Hiera	archy is relate	d to	classificatio	n of				
	a) time complexity of algorithms	b) Moore machines		1ealy chines	d) gı	rammars		(d)	
28	Regular expression	ns can be used	l to s	pecify the s	trings	of	•		
	a)Type 3 languages only	b)Type 2 Languages only		pe 1 uages only	d) N	one of these		(a)	
29	Which of the follow P. 10001 Q. 10110101 R. 100001 S. 100100	ving strings wil	l mat	ch the regul	ar exp	oression (1*(	)1*01*)*.		
	a)P and Q only	b)Q and R only	c)R only		d)P a	and S only		(c)	
30	Most modern proរ្	gramming lang	guage	es can be ex	press	ed using			
	a) regular grammar only	b) context free grammar and not regular	sen	ontext sitive but context	d) N thes	one of e		(b)	
31	The algorithm to o	convert NFA t	o DF	A is called					
	a) Kleene star algorithm	b) Handle pruning	con	hompson struction prithm	cons	lbset struction rithm		(d)	
32	Match all items in	Group 1 with	corre	ect options	in Gro	oup 2			
	Group 1		Gro	սք 2					
	P. Lexical Analyze	r	1. P	DA					
	Q. NFA with stack	<	2. D	FA					

	R. Linear Bounde	d Automata	3. Type – 1 Gra	mmar					
	a) P-1, Q-2, R-3	b) P-2, Q-1,	c) P-2, Q-1, R-	d) P-3, Q-1, R-2		(b)			
		R-3	3						
33	The language that contains palindromes only can be recognized by								
	P. FSA								
	Q. PDA								
	R. Turing machine								
	a) R only	b) Both Q	c) Both P and	d) P, Q and R		(d)			
		and R only	R only						

34	What is the addi	tion of the binary nu	mber 101001+ 0100	11=?				
	a)010100	b)111100	c)000111	d)101110		b		
35	2's complement	of 1011011 is						
	a)0100011	b)0110101	c)0100011	d) 0100101		d		
36	The excess-3 co	de for 584 is given b	У	•				
	a)1000101101 11	b)100001110111	c)100010010110	d)10000101011	0	a		
37	The queue is als	o known as						
	a)Flash memory	b)FILO memory	c) Flash memory	d) FIFO memor	у	d		
38	The Minterms for	or four variables						
	a) 8	b)16	c)2	d)1		b		
39	A K-map (Karnaugh map) is an abstract form of which diagram organized as a squares matrix.							
	a)Block diagram	b)Cycle diagram	c)Square diagram	d) Venn diagram	n	d		
40	One nibble is eq	ual to how many bits	S					
	a) 4	b)2	c) 16	d)8		a		
41	What is the radi	x of the octal number	r system?					
	a) 2	b)10	c)8	d)16		c		
42	The range of sig number is	ned decimal number	s that can be represe	nted by 5 bits 1's	comp	lement		
	a) -31 to 31	b)-15 to 15	c) -63 to 63	d)-7 to 7		b		
43	Express -39 in 8	-bit 2's complement	form					
	a) 11011001	b)01101010	c) 01000101	d) 10101001		а		
44	What is the 10's	complement of the	decimal number 246	700				
	a) 753879	b)784993	c)753300	d)996780		С		
45	Which one of the storage in a com	he following is the function puter?	fastest to read from	and write to than	othe	r kind of		

a)Floppy disk Which one of th a)Cache memory	b)Hard disk e following is a vola	c) CD-ROM	d) RAM		d
		file memory /			
	y b)Hard Disk	c) DVD	d)CD		a
	,		operating system is		
The mot motion		uder program of a	i operating system i	5 50	orea m
a) RAM	b)Hard Disk	c)BIOS	d)None		c
The Communication	ation between the co	omponents in a mic	crocomputer takes pla	ace	via the
address and		·			
<i>·</i>	,	,	d) Control bus		b
	-	1		<del>г т</del>	
; <b>1</b>	, I		,		a
,	/	/	d)32		b
The format spec	ifier %i is used for th	ne data type?			
a) Char	b) Int	c) Float	d) Long	b	int
XX71.:	1	- f	double		
	<b>U U</b>			1	<b>D</b> ·
/ 1.	· ·	· /	· ·	d	Frien d
Constructor	Constructor	Constructor	Constructor		u Const
					ructor
Why reference a	nd pointer are not sa	me because:	·		
		. 1 1 1			
		t be changed			
-		dereferencing			
a) Only P	b) Only Q	c) P and Q	d) P, Q and R	d	P, Q
	• -				and R
Which of the fol	lowing are available	only in the class hie	erarchy chain?		
a) Public	b) Private Data	c) Protected	d) Member	с	Protec
	Members		Functions		ted Data
Members		Members			Data Mem
					bers
					0010
Which of the fol	lowing visibility mo	de is used as default	in class definition?	r	
a) Private	b) Protected	c) Public	d) Friend	a	privat
i) Illiace		1			0
					e
Who is the fathe	r of C language?				
	r of C language? b) James Gosling	c) Dennis Ritchie	d) Rasmus Lerdorf	c	Denni s
	The Communica address anda)I/O bus Which of the fol a) Tape drive EBCDIC coding a) 4 The format spec a) Char Which of the fol a) Copy Constructor Why reference a P: Reference one Q: Reference ca R: Reference do a) Only P Which of the fol a) Public Data Members	The Communication between the c       address and	The Communication between the components in a midadress and	The Communication between the components in a microcomputer takes plaaddress and	The Communication between the components in a microcomputer takes place address and

57     The scope of a local variable is: P: The entire program Q: The function in which it is declared R: The set of programs under a project       a)     Only P     b)     Only Q     c)     P and Q     d)     P,Q and R     b       58     The definition of the function getch() is in which header file?     a)     stdlib.h     b)     c)     stdlio.h     d)     stdarg.h     b       59     Which of the following is not a valid C variable name?     a)     int number;     b)     float rate;     c)     c)     char string;     d)     int 12_student;     d       60     What is long int in C programming?	e Only Q conio. h Int 12_st udent:
58     The definition of the function getch() is in which header file?       a) stdlib.h     b) conio.h     c) stdio.h     d) stdarg.h     b       59     Which of the following is not a valid C variable name?       a) int number;     b) float rate;     c) char string;     d) int 12_student;     d       60     What is long int in C programming?	Q conio. h Int 12_st
a) stdlib.hb) conio.hc) stdio.hd) stdarg.hb59Which of the following is not a valid C variable name?a) int number;b) float rate;c) char string;d) int 12_student;d60What is long int in C programming?	h Int 12_st
59     Which of the following is not a valid C variable name?       a) int number;     b) float rate;     c) char string;     d) int 12_student;     d       60     What is long int in C programming?	h Int 12_st
a) int number;b) float rate;c) char string;d) int 12_student;d60What is long int in C programming?	12_st
60 What is long int in C programming?	12_st
	udent;
<ul><li>P: The basic data type of C</li><li>Q: Qualifier</li><li>R: Long is the qualifier and int is the basic data type</li></ul>	
	Only C
61 What is #include <iostream.h>?</iostream.h>	
processor directive directive (c) )	Pre- proce ssor directi ve
62 Postfix notation is also known as	
a) Reverse b) Reverse c) Polish d) Reverse a Operator ) Notation Notation	Rever se Polis h Notat ion
63 A linear list of elements in which deletion can be done from one end (from insertion can take place only at the other end (rear) is known as a ?	t) and
a) Doubly b) Stack c) Queue d)Tree c Linked List	queue
64 - push() and pop() functions are used in?	
a) Queue b) Stack c) Binary d) Heap b Search Tree	Stack
65 The stack data structure is also called?	LIFO

66		 matic number of an n- length cycle? Assume		ected graph which do	es no	ot			
	a) n	b) n-1	c) 3	d) 2	d	2			
67	A graph in which	h all nodes are of equ	al degree, is known	as	1				
	a) Regular Graph	b) Complete Graph	c) Multi Graph	d) Non Regular Graph	a	Regul ar Grap h			
68	Which of the fol	lowing is not an appl	ication of priority qu	ueue?					
	a) Huffman codes	b) Interrupt handling in operating system	c) Undo operation in text editors	d) Bayesian spam filter	c	Undo opera tion in text editor s			
69	Which of the following is not a stable sorting algorithm?								
	a) Insertion sort	b) Selection sort	c) Bubble sort	d) Merge sort	b	Select ion sort			
70	Which of the fol	lowing is not an in-pl	ace sorting algorith	m?	1				
	a) Selection sort	b) Heap sort	c) Quick sort	d) Merge sort	d	Merg e sort			
71	The search time	in hashing is			1	<u></u>			
	a) O(1)	b) O(n)	c) O(logn)	d) O(nlogn)	b	O(n)			
72	In linked list eac the data second f	h node contain minin field is?	num of two fields. C	Dne field is data field	to s	tore			
	a) Pointer to character	b) Pointer to integer	c) Pointer to a node	d) Node	c	Point er to a node			
73	In doubly linked	lists, traversal can be	e performed?		1	<u> </u>			
	a) Only in forward direction	b) Only in reverse direction	c) In both directions	d) None	C	In both direct ions			
74		lowing forms simplif epetitive groups?	ies and ensures that	there are minimal da	ita	L			

	a) 1NF	b) 2NF	c)	3NF		d) BCNF	Α	1NF
75	DCL stands for	/	0)	5111		d) Derti	Π	1111
75		b) Data		Data Contro	·o1	d) Data Control	C	Data
	a) Data Console	Console	c)		01	Level	C	Control
				Language		Level		
70	Level	Language						Language
76	TCL in dbms s							
	,	b) Transaction	c)	Transaction		d) Transaction	A	Transactio
	n control	command		connect		conection		n control
	languages	languages		languages		languages		languages
77		sed with DCL state						
	1	b) GRANT		DELETE		d) INSERT	B	GRANT
78	Which operation	on is not allowed in	a jo	oin view:				
	a) UPDATE	b) INSERT	c)	DELETE		d) ADD	D	ADD
79	E-R modelling	technique is a :						
	a) Bottom-	b) Top-down	c)	Left-right		d) Right-left	B	Top-down
	up	approach	ĺ.	approach		approach		approach
	approach	11		11		11		
80		tity set can be conv	erte	d into a stror	ng ei	ntity set by:		
	a) using	b) using	c)	adding		<b>d</b> ) using	C	adding
	generaliz	aggregation		appropriate		generalizatio		appropriat
	ation	- 66 - 6		attributes		n		e attributes
81		ollowing is used to	dele		s in	the referenced table	e wł	
	is deleted in re							· · · · · · · · · · · · · · · · · · ·
		C						
	a) Delete	b) Delete	c)	Set null		d) drop	A	Delete
	cascade					· 1		cascade
82	Which of the f	ollowing command	s is	used to delet	te all	l rows and free up s	spac	e from a
	table?	U				1	1	
	a) DELETE	b) DROP	c)	TRUNCATI	E	d) ALTER	C	TRUNCA
	,	,				,		TE
83	Wildcard in W	HERE clause is use	ed w	hen				
		atch is necessary fo			teme	ent.		
		atch is not possible						
	-	atch is necessary fo						
	a) Only P	b) Only Q	c)	Only R	d) ]	Both P and Q	В	Only Q
84	, <b>,</b>	, ,		-		ield whose value ha		
07	added explicit			unde te	11		11	
	a) DEFAUL	b) NOT NULL	c)	UNIQUE		d) CHECK	Α	DEFAUL
	T	b) NOT NOLL	0)	UNQUL		d) ender	11	T
85		ey that aims to unio	quel	y identify ea	ich re	ecord in database is	3	1
	a) Foreign	b) Surrogate	c)	Alternate ke	ev	d) Unique key	B	Surrogate
	key	key		IN	5	-, cque neg	<b>_</b>	key
86		2	e dat	abase tables	to p	rovide flexibility, r	nini	
00		d data integrity is c			ωp	10 ride nexionity, 1		1111200
	1 countraticy att	a add mogney 18 C	uno	4				

r	a) Data	h) Desien	- )		1)	Data		Dete
	a) Data Normalis	b) Design	· ·	Class diagram		Data	Α	Data Normalisa
		rationalizatio	)			rationalisatio		
07	ation	$\frac{n}{n}$	DEEC	II) in first norm		n Tonthaga	tof	tion
87		n schema $R(ABC)$						lanavia
	logically implie	$F = \{ A \rightarrow B, A \rightarrow B, A \rightarrow A^{2} \}$	C, CG	$\rightarrow \Pi, D \rightarrow \Pi$	, U →	· F}, which de	pend	lency is
	a) F—>H	b) C—>H		G—>H	d)	A—>H	D	A—>H
	,	/			u)	A—/11	υ	A—/11
88		p set is represente		0	1)	D' 1	D	D' 1
	a) Double	b) Undivided	c)	Dashed lines	a) .	Diamond	D	Diamond
	diamonds	rectangles						
89	-	at does not have				<u> </u>		
	a) Strong	b) Variant set	· · · ·	Weak entity	d)	Variable set	C	Weak
	entity set	111 1 1 4 1		set				entity set
90		llback are related			•	• • •	-	
	a) data	b) data	c)	data sharing	<b>d</b> )	data security	B	data
	integrity	consistency						consistenc
			1				Ļ	У
91		tabase system nee			bout t	he relations, s	uch	as the
		relations. This is o			1			
	a) Metadata	b) Catalog	c)	U		Dictionary	Α	Metadata
92		nit of allocation in					-	
	a) Database	b) Instance	c)	Tablespace		Database	D	Database
						Block		Block
93		the dialogue Con	trol and	d token manag				
	a) Session	b) Network	c)Tra	nsport layer	d) Pl	nysical	a	Session
	layer	layer			Laye	er		layer
94	The physical la	ayer in OSI is resp	onsibl	e for				
	a) Routing	b) Bit-by-bit	c) pro	ocess to	d)Fil	e transfer	b	Bit-by-bit
		delivery	proce	SS				delivery
			comn	nunication				
95	Which one of t	he following is n	ot done	e by data link l	ayer?			
	a) channel	b) framing	c) flo	w control	d) er	ror control	а	channel
	coding		,	-	/			coding
96		red for a packet to	o trave	l from client to	serve	er and then ser	ver	
	is called?	<b>L</b> 10.1.						
	a) JTT	b) PTT	c) RT	T	d) S <sup>-</sup>	ГТ	с	RTT
97	For large data t	,	/	used.	, ,		I	
-	a) DMA	b)		ntroller registe	r	d) DBA		А
		programmed		in oner registe	.1	uj DBA		
		I/O						
00		:						I
98	A block device			_				I
	a) bytes one by		bytes	c) with		d) as a		В
	one	as a unit		unpredictable	e	string		

			response times	stream				
99	The pre	sent a uniform dev	ice-access interface	to the I/O sub	system o	of		
	Operating System.							
	a) Devices	b) Buses	c) Device drivers	d) I/O		С		
				systems				
100	The kernel data stru	uctures include						
	a) process table	b) open file	c) close file table	d) Both (b)		В		
		table		and (c)				