## Multiple Choice Question (MCQ) on Computer Organization Set-1

1.			ny used	i to designate a transfer from memory to a		
-	ssor register known as					
A.	Accumulator B. Inst		ruction Register			
C.	Program counter	D.	Memo	ry address Register		
Ans: A	A					
2.	A group of bits that t	tell the	compu	ter to perform a specific operation is known		
as	_		-	• •		
		B.	Micro	-operation		
C.	Accumulator D.					
Ans: A		6				
3.		ween a	diacer	t bits is called the		
A.			Bit-tin			
C.		D.				
Ans: I		Δ.	Siree t			
4.	A k-bit field can spec	ify ony	, ono o	P		
<b>ч.</b> А.	3k registers B.			L•		
C.	K2 registers D.					
C. Ans: I	•	K5 leg	181618			
<b>5.</b>	MIMD stands for		data			
A.	Multiple instruction m	-				
B.	Multiple instruction memory data					
C.	Memory instruction m	-				
D.	Multiple information i	nemory	/ data			
Ans: A						
6.		t of inp	ut and	outputs is arrangement of		
A.	Computational circuit					
B.	Logic circuit					
C.	Design circuits					
D.	Register					
Ans: A						
7.		quired 1	to reac	h a storage location in memory and obtain its		
conte	nts is called					
A.	Latency time.	B.	Acces	s time.		
C.	Turnaround time.	D.	Respo	nse time.		
Ans: I	3					
8.	The BSA instruction	ı is	•			
A.	Branch and store accu	mulatoi	rB.	Branch and save return address		
C.	Branch and shift addre	ess	D.	Branch and show accumulator		
Ans: I	3					
9.	A floating point num	ber tha	at has a	O in the MSB of mantissa is said to		
have_	•					
A.	Overflow	B.	Under	flow		
C.	Important number	D.	Undef	ined		
Ans: I	-					
10.	Translation from syn	nbolic 1	progra	m into Binary is done in		
A.		Directl	_	·		
C.	•	Four pa	•			
Ans: A		P				
11.	The instruction 'ORG	GO' is	а			
A.	Machine Instruction.			instruction.		
C.	High level instruction D Men					

Ans: B							
<b>12.</b>	'Aging registers' are						
A.	Counters which indicate how long ago their associated pages have been						
referen	erenced.						
B.	Registers which keep track of when the program was last accessed.						
C.	Counters to keep track	k of last	accesso	ed instruction.			
D.	<u> -</u>			ata structures referred.			
Ans: A	-						
13.	Memory unit accesse	ed by co	ontent i	is called .			
A.	Read only memory	-					
C.	Virtual Memory						
Ans: D	=	<b>D</b> .	7 133001	attive ivieniory			
		roons tr	ooks of	the instructions stored	in program stared in		
	_	eeps u	acks of	the mstructions stored	m program storeu m		
memo			D	VD (Inday Dagistan)			
A.	AR (Address Register	[) \	Б.	AR (Index Register)			
	PC (Program Counter	')	D.	AC (Accumulator)			
Ans: C				.=			
<b>15.</b>	-	ode imp	ly that	there are	possible distinct		
operato							
A.	2n B. 2n						
C.	n/2 D. $n2$						
Ans: B							
<b>16.</b>	A three input NOR g	gate giv	es logic	high output only when	1		
A.							
C.	two input are low						
Ans: D	_		•	C			
17.		ng bina	rv data	in to decimal is			
A.		Multip	-	v === v v v v v v ====================			
	Decoder D.			o <b>r</b>			
Ans: D		Couc c		<b>,1</b>			
18.		rictor &	, multi	plier register of a hardy	voro circuit		
				101) & (1100). The resu			
	0			101) & (1100). The rest	iit siiaii DC		
A.	` /	(-12)10					
C.	(12)10 D.	(-812)	10				
Ans: A			43	•			
19.	PSW is saved in stac				.•		
A.	interrupt recognized			execution of RST instru	iction		
C.	Execution of CALL in	nstruction	on	D. All of these			
Ans: A	_						
20.	In computers, subtra	action is	s carrie	ed out generally by	.•		
A.				2's complement method			
C.	signed magnitude met	thod	D.	BCD subtraction method	od		
Ans: B							
21.	The main memory in a Personal Computer (PC) is made of						
A.	cache memory.	B.	static F				
C.	Dynamic Ram			and (B).			
Ans: D	•		0001112	(2).			
22.		cs on th	e nrinc	inle of			
A.	Cache memory works on the Locality of data B. I						
C.	•			ty of memory ty of reference & memor	•••		
Ans: C	<u> </u>	<b>υ</b> .	Locaill	y of reference & memor	y		
		aa a 1	~				
23.	An n-bit microproce						
A.	n-bit program counter	B.	n-bit a	uuress register			

C.	n-bit ALU	D.	n-bit ir	istructio	on register
Ans: D	)				
24.	When CPU is	execut	ing a P	rogram	n that is part of the Operating System, it is said
to be i	n				
A.	Interrupt mode	eB.	System	n mode	
C.	Half mode			ex mode	
Ans: B	}		1		
25.		nerati	on of (4	ACO)F	H & (B53F)H results
A.	AACB B.	0000	011 01 (1		
C.		ABCD	)		
Ans: C		TIDCD	,		
26.		omorv	ic of QI	hytos	s and the cache memory is of 2K words. It uses
				-	· · · · · · · · · · · · · · · · · · ·
				ora or c	cache memory shall be
A.		21 bits			
C.		20 bits	•		
Ans: C			,		
27.					s instruction of
A.	Indirect address				
C.	Zero addressin	ıg	D.	Index a	addressing
Ans: C					
28.	In a program	using s	subrout	tine call	ll instruction, it is necessary
A.	initialize progr	ram cou	ınter	B.	Clear the accumulator
C.					Clear the instruction register
Ans: D	)	_			·
<b>29.</b>	Virtual memo	rv con	sists of		•
A.	Static RAM				
C.	Magnetic mem		•		
Ans: A		101)		1,0110	<b>01 0110</b>
30.		mitude	hinary	, divisio	ion, if the dividend is (11100)2 and divisor is
	1)2 then the res	_	-	uivisio	ion, it the dividend is (11100)2 and divisor is
	(00100)2			1)2	
C.					
Ans: B	` '	<b>D</b> .	(01100	1)2	
		namia '	DAM:	a boou	as main mamaw in a computar system as
31.	Generally Dy	паппс	KAWI IS	s useu a	as main memory in a computer system as
it	·		D	1 1.	1 1
A.	Consumes less	-		_	gher speed
C	has lower cell	density	D.	needs i	refreshing circuitry
Ans: B					
<b>32.</b>	-	-	_		in which memory for updating the data
A.	Virtual memor	•	В.	Main n	memory
C.	Auxiliary men	nory	D.	Cache	e memory
Ans: D	)				
33.	Cache memor	y acts	between	n	•
A.	CPU and RAM	-	B.		and ROM
C.	CPU and Hard	l Disk	D.	None o	of these
Ans: A					
34.		sed to s	tore on	e bit of	f data is known as
A.	Encoder	B.	OR gat		* ****** AN ARABO IT AR 660
C.		D.	Decode		
Ans: C		₽.	Decou	<b>.</b> 1	
35.		n arabi	tacture	ic	
	Von Neumani	n arem SIMD	icciure	19	•
A.	SISD B.				
C.	MIMD D.	MISD			

Ans: A							
<b>36.</b>	In a vectored interrupt.						
A.	the branch address is assigned to a fixed location in memory.						
B.			_		branch information to the processor through an		
interru	pt vector.	1 0			1		
C.	the branch	address is	obtaine	d from	a register in the processor		
D.	none of th	e above					
Ans: B							
<b>37.</b>	In a mem	ory-mappe	ed I/O s	ystem,	which of the following will not be there?		
A.	LDA B.	IN			_		
C.	ADD D.	OUT					
Ans: A	L						
<b>38.</b>	If memor	y access tal	kes 20 r	is with	cache and 110 ns without it, then the ratio		
(cache	uses a 10	ns memory	y) is	•			
A.	93% B.	90%					
C.	88% D.	87%					
Ans: B							
<b>39.</b>	The addr	essing mod			nstruction of the form ADD X Y, is		
A.	Absolute	B.	indirec	t			
C.		none o	of these				
Ans: C							
<b>40.</b>		_ register l	keeps tr	ack of	the instructions stored in program stored in		
memo	•						
A.					XR (Index Register)		
C.	_	ram Counter	<b>:</b> )	D.	AC (Accumulator)		
Ans: C			_				
41.		of cache m					
A.	-	perty of loc	•	referer	nce		
B.		ıristic 90-10					
C.			nces gei	nerally	tend to cluster		
D.	all of the	above					
Ans: A							
42.	Which of the following is not a weighted code?						
A.	<u> </u>				Excess 3-cod		
C.	Binary number System D. None of these						
Ans: B							
43.		_	_	to reac	ch a storage location in memory and obtain its		
A.	seek time	l the B.	• turnaro	aund ti	ma		
C.	access tim		transfe		ille		
Ans: C		ie D.	transie	i time			
44.		16 is equiv	alant ta				
<b>А</b> .	$(195\ 084)$	-	анені іо В.		· 11111010 0000 1100)2		
C.		nd (B)	D.		of these		
Ans: B		iu (B)	<i>υ</i> .	None	of these		
45.		it used to s	toro on	a bit at	f data is known as		
43. A.	Register	B.	Encode		t data is known as		
C.	Decoder	Б. D.	Flip Fl				
Ans: D		υ.	Tubil	υþ			
46.							
<b>40.</b> А.	giving programming versatility to the user by providing facilities as pointers to						
	nory counters for loop control						
B.	to reduce no. of bits in the field of instruction						

C. D.	specifying rules for modifying or interpreting address field of the instruction All the above						
Ans: D							
47.		teristic	of RAN	A memory makes it not suitable for permanent			
storag							
A.	too slow	B.	unrelia	ble			
C.	it is volatile	D.	too bul				
Ans: C							
48.	The amount of	of time	require	ed to read a block of data from a disk into memory is			
compo			_	atency, and transfer time. Rotational latency refers			
to		ŕ		•			
A.	the time its tal	kes for t	he platt	er to make a full rotation			
B.	the time it take	es for th	e read-	write head to move into position over the appropriate			
track							
C.	the time it take	es for th	e platte	r to rotate the correct sector under the head			
D.	none of the ab	ove					
Ans: A	1						
<b>49.</b>	In computers	, subtra	action i	s generally carried out by			
A.	9's compleme	nt	B.	10's complement			
C.	1's compleme	nt	D.	2's complement			
Ans: D							
<b>50.</b>	Assembly lan						
A.	_		_	e of binary numbers used in machine language			
B.	is the easiest l			· ·			
C.			into m	achine language			
D.	None of these						
Ans: A							
51.				ata lines and requires 4 cycles of 250 nsecs each to			
				us bus would be 2 Megabytes/sec. If the cycle time of			
				nd the number of cycles required for transfer stayed			
	me what would						
A.	~ .			4 Megabytes/sec			
		sec	D.	2 Megabytes/sec			
Ans: D		4	~~~ <b>.</b>	on is used to stone			
<b>52.</b>	~ -	_		on is used to store whole numbers			
A. C.	Boolean value						
	real integers	D.	mieger	S			
Ans: C <b>53.</b>		onta on	oveni	gation that			
A.	SIMD represents an organization that						
B.	refers to a computer system capable of processing several programs at the same time. represents organization of single computer containing a control unit, processor unit						
	nemory unit.	amzanc	)II OI SIII	igie computer containing a control unit, processor unit			
C.	•	, <b>nr</b> oces	cina un	its under the supervision of a common control unit			
D.	includes many processing units under the supervision of a common control unit none of the above.						
Ans: C		ove.					
54.		olich na	tation	expression A*B+C*D is written as			
A.	AB*CD*+	B.	A*BC				
C.	AB*CD+*		A*B*(				
Ans: A		D.	дυ				
1 MIS. A	1						