03/2019

Question Booklet Alpha Code

A	

Question Booklet Serial Number

,	
Total Number of Questions: 100	Time: 75 Minutes
Maximum Marks: 100	

INSTRUCTIONS TO CANDIDATES

- 1. The question paper will be given in the form of a Question Booklet. There will be four versions of question booklets with question booklet alpha code viz. **A**, **B**, **C** & **D**.
- 2. The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the question booklet.
- 3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
- 4. If you get a question booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
- 5. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your question booklet is un-numbered, please get it replaced by new question booklet with same alpha code.
- 6. The question booklet will be sealed at the middle of the right margin. Candidate should not open the question booklet, until the indication is given to start answering.
- 7. Immediately after the commencement of the examination, the candidate should check that the question booklet supplied to him contains all the 100 questions in serial order. The question booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
- 8. A blank sheet of paper is attached to the question booklet. This may be used for rough work.
- 9. Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.
- 10. Each question is provided with four choices (A), (B), (C) and (D) having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.
- 11. Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.
- 12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
- 13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.



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1. Who organized the society of 'Khudai Khidmatgars'?									
	(A)	Nawab Salimull	.a		(B)	Naw	ab Muhsinul Mu	ılk	
	(C)	Khan Abdul Ga	ffar I	Khan	(D)	Moti	lal Nehru		
2.	Kanc	henjunga mountai	n pea	ak is situated	d in th	ne stat	e of:		
	(A)	Sikkim			(B)	Jamr	nu and Kashmir		
	(C)	Nagaland			(D)	West	t Bengal		
3.	Jog v	vaterfalls is create	ed by	in which of	the ri	iver ?			
	(A)	Varani	(B)	Sharavati		(C)	Cauvery	(D)	Mahanadi
4.	The	name of first elec	tric tr	ain in India	:				
	(A)	Calcutta Expres	s		(B)	Deco	an Queen		
	(C)	Himasagar Expi	ess		(D)	Fairy	Queen		
5.	Darj	eeling the famous	hill s	station is situ	ıated	in :			
	(A)	Himachal Prade	esh		(B)	Jamr	nu and Kashmir		
	(C)	West Bengal			(D)	Sikki	im		
6.	Elloi	ra Caves located a	ıt:						
	(A)	Aurangabad	(B)	Mumbai		(C)	Bijapur	(D)	Allahabad
7.	Who	is the author of t	he bo	ook "The Gr	eat In	dian N	Novel" ?		
	(A)	Shashi Tharoor	(B)	Arundhati	Roy	(C)	Vikram Seth	(D)	V.S. Naipaul
8.	The	present Secretary	Gene	eral of Unite	ed Na	tions (Organization :		
	(A)	Peter Thomson			(B)	Ami	na J. Muhamed		
	(C)	Antonio Gutterr	es		(D)	Elbic	Rosseli		
9.	India	a's first Sports Mu	ıseun	n opened at	:				
	(A)	Mumbai	(B)	Kolkata		(C)	Ahmedabad	(D)	Pune
10.	FIFA	a's best footballer	of th	e year 2018 :					
	(A)	Luka Modric			(B)	Crist	iano Ronaldo		
	(C)	Lionel Messi			(D)	Moh	amed Salah		
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11.	The	social reformer w			Sarva	viany	iaairaja ?			
	(A)	Chattampi Swa	mikal		(B)	Saho	odaran Ayyapp	an		
	(C)	Ananda Theertl	han		(D)	V.T.	Battathirippad			
12.	Who	was the founder	r of V	ala Samuday	ja Pari	shkari	ni Sabha ?			
	(A)	Pandit Karuppa	an		(B)	Kun	naranasan			
	(C)	Brahmananda S	Sivayo	gi	(D)	Vaik	unda Swamika	1		
13.	Head	dquarters of UNI	CEF is	s situated in	ι:					
	(A)	Norway	(B)	London		(C)	New York	(D)	Sweden	
14.	Who	was the first Ind	lian p	resident wh	o visi	ted Si	achin Base Camp	?		
	(A)	K.R. Narayanar	n		(B)	Ram	nath Kovind			
	(C)	Fakruddin Ali A	Ahma	d	(D)	APJ	Abdul Kalam			
15.	Whi	ch was the first Iı	nsurai	nce Compar	ny in l	ndia	?			
	(A)	Oriental Life Ins	suran	ce Compan	y					
	(B)	Life Insurance C	Corpo	ration of In	dia					
	(C)	New India Insu	rance	Company						
	(D)	General Insuran	nce Co	ompany						
16.	Nob	el Peace Prize for	the y	ear 2018 ha	s beer	ı awa	rded to :			
	(A)	Yazid Mugabe a				os				
	(B)	Nadia Murad a			ge					
	(C)	Denis Mukwege			_					
	(D)	Malala Yousafza	ai anc	l Kailash Sa	atyarth	ni				
17.	Who	was the first Un		linister of E						
	(A)	Dr. Rajendra Pr		_	(B)		llana Abul Kala	m Azao	d	
	(C)	Sardar Vallabai	Patte	I	(D)	Mot	ilal Nehru			
18.	Whe	re the Headquart			uated					
	(A)	Qatar	(B)	Brazil		(C)	Sweden	(D)	Switzerland	
19.	Mex	ico country is situ					O			
	(A)	South America	(B)	North Am	nerica	(C)	Africa	(D)	Europe	
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20.	Mala	ampuzha Dam si	tuated	in the dist	rict of	:				
	(A)	Palakkad	(B)	Wynad		(C)	Edukki	(D)	Pathanamt	:hitta
21.	The	small current dev	velope	d in a P-N j	junctic	n dio	de when it is	in reverse	bias is calle	d:
	(A)	Reverse current	t		(B)	Forv	vard current			
	(C)	Reverse saturat	ion cu	rrent	(D)	Acti	ve current			
22.	Whi	ch among the fol	llowing	g factor doe	esn't c	hange	the diode cu	rrent ?		
	(A)	Temperature	`		(B)	_	rnal voltage t		le	
	(C)	Boltzman's con	ıstant		(D)		stance			
23.		e peak current i			d resi	stance	e is $R_{ m L}$, the Γ	OC power	output of l	bridge
	(A)	$2I_{m}^{2}R_{L}$	(B)	$4I_m^2R_L$		(C)	$I_{m}^{2}R_{L}$	(D)	$I_m^2 R_L/2$	
24.	The (A) (B) (C) (D)	cut-in point of a The instant at v The instant at v The time after v The time during	which which which	the conduc the conduc the output	tion st tion st is not	ops filtere				
25.	An c	optoisolator is :								
	(A)	A combination	of LEI	O and vara	ctor in	the s	ame package			
	(B)	A combination	of a va	aractor and	l photo	odiode	in the same	package		
	(C)	A combination	of LEI	and a pho	otodio	de in	the same pac	kage		
	(D)	A combination	of pho	otodiode an	ıd a Sh	nottky	-Barrier diode	e in the sa	me package	
26.	The	magnitude of the	ermal v	voltage is gi	iven b	y :				
	(A)	k/Tq	(B)	kT/q		(C)	q/kT	(D)	Tk/q	
27.	The	form factor is the	e ratio	of:						
	(A)	Peak value to r.	.m.s. v	alue	(B)	r.m.s	s. value to ave	erage valu	e	
	(C)	Average value	to r.m.	s. value	(D)	Non	e of the above	9		
28.	If the	e number of turn	ıs, area	and curre	nt of a	n ac c	ircuit is doub	led, the ne	ew inductan	ce will
	(A)	Equal to the for	rmer		(B)	Twic	ce of the form	er		
	(C)	Four times the	former	•	(D)	Half	of the former	r		
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29.	An electric heater draws $3.5~\mathrm{A}$ from a $110~\mathrm{V}$ source. The resistance of the heating element is approximately :										
	(A)	385 Ohms	(B)	38.5 Ohms	S	(C)	3.1 Ohms	(D)	31 Ohms		
30.	Thev	venin resistance i	s foun	d by :							
	(A)	Shorting all vol	ltage s	ources and	openi	ng all	current sources				
	(B)	Opening all cur	rrent s	ources							
	(C)	Shorting all vol	ltage s	ources							
	(D)	Opening all vol	ltage s	ources and	shorti	ng all	current sources				
31.	Mut		at	the laggin	g load	ding a	and it	at	the leading power		
	(A)	Decreases, increases				Incre	eases, increases				
	(C)										
32.	Eddy	y currents are inc	duced	in the pole	shoes	of a I	OC machine due	to:			
	(A)	(A) Oscillating magnetic field									
	(B)										
	(C)	(C) Relative rotation between field and armature									
	(D)	All of the above	e								
33.	Con	vert 1E2 _H to dec	imal :								
	(A)	480	(B)	482		(C)	483	(D)	484		
34.	Whi	ch of the followi	ng is n	ot true ?							
	(A)	0 + A = A	(B)	1 + A = 1		(C)	A + A = A	(D)	1.A = 1		
35.	A po	ositive AND gate	is also	o a negative	:						
	(A)	NAND gate	(B)	NOR gate		(C)	AND gate	(D)	OR gate		
36.	As c	ompared to MOS	5 mem	ories, bipola	ar mei	morie	s have :				
	(A)	Faster access tin	me an	d are costly							
	(B)	Slower access t	ime ar	nd are costly	,						
	(C)	Faster access ti	me an	d are cheap	er						
	(D)	Slower success	time b	out are chea	per						
37.		output Q _n of a J- t J _n and K _n are r			. It cl	hange	s to 1 when a cl	ock pu	lse is applied. The		
	(A)	1 and X	(B)	0 and X		(C)	X and 0	(D)	X and 1		
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38.	A di	gital multiplexer	is bas	ically a con	nbinat	ion lo	gic circuit to pe	rform tl	ne operati	on:
	(A)	AND-AND	(B)	OR-OR		(C)	AND-OR	(D)	OR-AN	D
39.		instruction that is mes zero is :	s used	as prefix to	an ins	tructio	on to execute it r	epeated	lly until C	X resister
	(A)	SCAS	(B)	REP		(C)	CMPS	(D)	STOS	
4 0.	The	Bus Interface U	nit of 8	3086 contair	ns FIFO	O regi	ster of size		bytes.	
	(A)	8	(B)	6		(C)	4	(D)	16	
41.	In 80	086, the instructi	on pro	viding both	ı segm	ent b	ase and offset a	ddress a	are called	:
	(A)	High address	(B)	Low addr	ess	(C)	Far address	(D)	Below a	ddress
42.	The	8086 instruction	which	is used for	trans	lating	from one code	to anot	her code i	s:
	(A)	XLAT	(B)	XCHG		(C)	POP	(D)	PUSH	
43.	In 80	086, the overflov	v flag	is set when	ı		_•			
	(A)	The sum is mo	re thar	16 bits						
	(B)	Signed number	rs go o	ut of their 1	range a	after a	arithmetic opera	tion		
	(C)	Carry and sign	flags	are set						
	(D)	Subtraction								
44.	Amo	ong the following	д, Асс€	ess time is f	aster f	or:				
	(A)	SRAM	(B)	DRAM		(C)	ERAM	(D)	ROM	
45.	Whi	ch method by-pa	asses tl	ne CPU for	certai	n type	es of data transf	er ?		
	(A)	Software Intern	rupts		(B)	Inte	rrupt driven I/0)		
	(C)	Polled I/O			(D)	Dire	ect Memory Acc	ess (DN	ΛA)	
46.	Whi	ch group of insti	ruction	s do not af	fect fla	igs ?				
	(A)	Arithmetic ope	eration	s	(B)	Logi	ic Operations			
	(C)	Data Transfer	Instruc	etions	(D)	Brar	nch Instructions			
47.	The	result of MOV A	AL, 65 i	s to store :						
	(A)	01000010 in A	L		(B)	42H	in AL			
	(C)	40H in AL			(D)	0100	00001 in AL			
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48.	8. In a pre-emptive multitasking operating system, the saving and restoring of FP and MM2 states are performed by :								
	(A)	Control unit			(B)	Ope:	rating system		
	(C)	MMX instruc	ctions		(D)	MM	X registers		
49.	Whi	ch motherboar	d form f	actor uses c	one 20	pin c	onnector ?		
	(A)	ATX	(B)	AT		(C)	BABY AT	(D)	All of the above
50.		e e	Ü		gove:	-	rallel communic		
	(A)	RS232	(B)	RS-232a		(C)	CAT 6	(D)	IEEE 1284
51.	Whi	ch common bu	ıs specifi	cation prov	ides t	he fas	test data transfe	r rate ?	
	(A)	VL BUS	(B)	ISA		(C)	PCI	(D)	All of the above
52.	Wha	nt is the data tr	ansfer ra	ate for USB	2.0 ?				
	(A)	10 Mbps	(B)	480 Mbps		(C)	512 Mbps	(D)	256 Mbps
53.	How	v many pins a	DIMM h	ave?					
	(A)	72	(B)	32		(C)	32 to 72	(D)	71
54.	How chip	•	s lines ar	e required t	to add	ress e	ach memory loc	ation ir	n a 2048x4 memory
	(A)	10	(B)	11		(C)	8	(D)	12
55.	Pseu	ıdo instruction	are:						
	(A)	Instructions i	n any pi	rogram that	have	no co	rresponding ma	chine o	code
	(B)	Instructions t			ecuted	1			
	(C)			ng					
	(D)	Assembler di	rectives						
56.	Asso	ociative memor	y is a :						
	(A)	Pointer Addr	essable l	Memory	(B)	Very	Cheap Memor	y	
	(C)	Content Add	ressable	Memory	(D)	Slow	Memory		
57.		ch of the follow ne code ?	ving add	ressing mod	les pe	rmits 1	relocation witho	ut any o	change whatsoever
	(A)	Indirect addr	essing		(B)	Inde	xed addressing		
	(C)	Base register	addressi	ng	(D)	PC r	elative addressi	ng	
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56.	ша	digital Camera, w	THEI	sensor conv	erts II	giii ei	iergy mio electri	icai ene	agy:
	(A)	PCB	(B)	CCD		(C)	DSLR	(D)	Photons
59.	Nun	nber of pins in an	HDM	II cable is :					
	(A)	19	(B)	20		(C)	21	(D)	22
60.	Inve	ntor of computer	mous	se is :					
	(A)	Alan Shugart			(B)	Stev	e Russel		
	(C)	Douglas Engelb	art		(D)	Fagg	gin		
61.		ch module of ope t term scheduler	•	g system giv	ves co	ntrol	of the CPU to th	ne proc	ess selected by the
	(A)	Dispatcher	(B)	Interrupt		(C)	Scheduler	(D)	DMA
62.	Agir	ng is :							
	(A)	Keeping track o	of cach	ne contents					
	(B)	Keeping track o	f wha	t pages are	curre	ntly re	esiding in memo	ory	
	(C)	Keeping track o	f how	many time	s a giv	ven pa	age is referenced	l	
	(D)	Increasing the p	riority	y of jobs to	ensure	e term	ination in a fini	te time	
63.	Whi	ch one of the foll	owing	is the dead	llock a	avoida	nce algorithm ?	•	
	(A)	Round robin alg	gorith	m	(B)	Banl	kers algorithm		
	(C)	Elevator algorit	hm		(D)	Karı	n's algorithm		
64.	In ir	nternal fragmenta	tion, 1	nemory is i	nterna	al to a	partition and :		
	(A)	Is being used			(B)	Is no	ot being used		
	(C)	Is always used			(D)	Non	e of the above		
65.	Exte	rnal fragmentatio	n wil	l not occur	when	:			
	(A)	First fit is used							
	(B)	Best fit is used							
	(C)	Worst fit is used	l						
	(D)	No matter whic	h algo	orithm is us	ed, it	will a	lways occur		
66.	A he	eavy weight proce	ess:						
	(A)	Has multiple th	reads	of execution	n				
	(B)	Has a single thr	ead o	f execution					
	(C)	Can have multi	ple or	a single th	read fo	or exe	cution		
	(D)	None of the abo	ove						

67. Consider the following page reference string: 1 2 3 4 2 1 5 6 2 1 2 3 7 6 3 2 1 2 3 6										
		FIFO page replace			with 4	fram	es, the number o	of page	fault is :	
	(A)		(B)	15		(C)	14	(D)	11	
68.	The	tima takan ta mar	va tha	diale ann te	a tha a	Jacina	d culindon ic colle	.d.		
00.		time taken to mov Positioning time		uisk aini u			dom access time	eu .		
	(A)	Seek time			(B) (D)		ational latency			
	(C)	Seek time			(D)	Note	itional latericy			
69.		sider a disk queue 183, 37, 122, 14, 1		-	or I/O	to blo	ocks on cylinders	:		
		sidering FCFS sch ally at 53 :	neduli	ng, the tota	al nun	nber o	of head movemen	nts is,	if the disk head	is
	(A)	600	(B)	620		(C)	630	(D)	640	
70.		segment of code e into files is knov			ocess :	may o	change common	variab	oles, update tabl	.es,
	(A)	Critical section	(B)	Program		(C)	Synchronising	(D)	Starvation	
71.	ADS	SL stands for :								
	(A)	Asymmetric Dig	gital Si	ubscriber L	ine					
	(B)	Asynchronous I	Digital	Subscriber	Line					
	(C)	Associated Digital	tal Sul	oscriber Lir	nk					
	(D)	Asynchronous I	Data S	ending Lin	ıe					
72.	TCP	/IP model does r	not ha	ve	lay	yer, b	ut OSI model ha	ve this	layer.	
	(A)	Session Layer			(B)	Trar	nsport Layer			
	(C)	Application Lay	er		(D)	Non	e of the above			
73.	Auto	omatic repeat requ	uest ei	ror manag	ement	mecl	nanism is provid	ed by :		
	(A)	Media access co	ntrol s	sub layer						
	(B)	Logical link con	trol su	ıb layer						
	(C)	Network interfa	ce cor	ntrol sub la	yer					
	(D)	None of the men	ntione	d						
74.		resources needed ession between en			on bet	ween	end systems are	reserv	ed for the durati	on
	(A)	Packet switchin	g		(B)	Circ	uit switching			
	(C)	Line switching			(D)	Freq	uency switching	,		
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75.	Electronic mail uses this application layer protocol:									
	(A)	HTTP	(B)	FTP		(C)	SMTP	(D)	SNMP	
76.	Traf	fic in VPN is :								
	(A)	Visible to pu	ıblic netw	orks						
	(B)	Not logically	y separate	d from otl	her traf	fic				
	(C)	Not restricte	ed to a sin	gle protoc	ol in IP	SEC				
	(D)	Not accessib	ole from u	nauthorise	ed publ	ic net	works			
77.	1000				_		f 1000 bytes. 'segment if all		-	
	(A)	10000	(B)	10001		(C)	11001	(D)	11002	
78.	The	header size o	f an IPv6	datagram	is :					
	(A)	40 bytes	(B)	128 bytes		(C)	64 bytes	(D)	32 bytes	3
79.	Whi	ch of the follo	wing is n	ot an IPv4	to IPv	6 tran	sition strategy	?		
	(A)	Dual stack	(B)	Tun	nelling					
	(C)	Conversion			(D)	Hea	der translation			
80.	In O	SPF, which p	rotocol is	used to di	iscover	neigh	bour routers a	utomatic	ally ?	
	(A)	Link state p	rotocol		(B)	Erro	r correction pr	otocol		
	(C)	Routing info	ormation]	protocol	(D)	Hell	o protocol			
81.	If yo		hange the	e typeface	e of an	MS V	Word docume	nt, whic	ch menu	will you
	(A)	Edit	(B)	View		(C)	Format	(D)	Tools	
82.	In w	hich view He	aders and	l Footers a	re visib	ole in I	MS Word ?			
	(A)	Normal View	W		(B)	Prin	t layout View			
	(C)	Page layout	View		(D)	Draf	t View			
83.	То а	pply the cent	er alignm	ent to a pa	aragrap	h, we	can press:			
	(A)	Ctrl+S	(B)	Ctrl+C		(C)	Ctrl+Shift+A	(D)	Ctrl+E	
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84.	In MS Excel, what is the smallest width of a column?										
	(A)	0	(B)	0.5"		(C)	1'	(D)	1.5"		
85.	In M	IS Word, pressir	ng F8 fc	or three tim	es sele	cts:					
	(A)	Entire docume	ent		(B) A Paragraph						
	(C)	A Sentence			(D)	A w	rord				
86.	In M	IS Access, which	n of the	field has v	vidth 8	B byte:	s ?				
	(A)	Memo	(B)	Number		(C)	Date/Time	(D)	All of the above		
87.	A gu	ıtter margin is :									
	(A)	Margin that is	added	to the bind	ling sid	de of j	page when pr	rinting			
	(B)	Margin that is	added	to the outs	side of	the pa	age when pri	nting			
	(C)	Margin that is	added	to the left	margir	n whe	n printing				
	(D)	Margin that is	added	to the righ	ıt marg	gin wł	nen printing				
88.		What is the smallest and largest font size available in Font Size tool on formatting toolbar of MS Word ?									
	(A)	8 and 64	(B)	8 and 72		(C)	6 and 72	(D)	6 and 68		
89.		IS Excel, which a selected cells?	among	the follow	ing ke	yboaı	d shortcut ca	n be used	for creating chart		
	(A)	F2	(B)	F6		(C)	F10	(D)	F11		
90.	Whi	ch of the follow	ing is v	alid field n	ame ir	ı MS 2	Access ?				
	(A)	Student.Addre	ess		(B)	Stud	lent'sAddress	3			
	(C)	Student_addre	ess		(D)	Stuc	lent Address				
91.	Intel	llectual Property	Rights	s (IPR) prot	ect the	use o	of information	n and idea	s that are of :		
	(A)	Ethical value			(B)	Mor	al value				
	(C)	Social value			(D)	Con	nmercial valu	e			
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92.	In 'q	n 'quid-pro-quo', quo stands for :							
	(A) Knowledge disclosed to the public								
	(B) Monopoly granted for the term of the patent								
	(C) Exclusive privilege of making, selling and using the invention								
	(D)	None of the abo	ve						
93.	. Which of the following is not one of the major types of e-commerce?								
	(A)	C2B	(B)	B2C	(C)	B2B	(D)	C2C	
94.	What is DES ?								
<i>,</i> 1.	(A)								
	(B)	Stream cipher							
	(C)	Block cipher							
	(D)	None of the abo	ve me	entioned					
	` '								
95.	Which of the following is a cryptographic protocol used to secure HTTP connection?								
	(A)	Stream control transmission protocol							
	(B)	Transport layer protocol							
	(C)	Explicit congestion notification							
	(D)) Resource reservation protocol							
96.	Network layer firewall works as a :								
	(A)	Frame filter							
	(B)	Packet filter							
	(C)	E) Both frame and packet filters							
	(D)	(D) None of the above mentioned							
97.	A proxy firewall filters at :								
	(A)	Physical layer	(B)	Data link layer	(C)	Network layer	(D)	Application layer	
98.	What is the type of injection, in which malicious scripts are injected into trusted websites?								
	(A)	XSS	(B)	SQL Injection	(C)	Access	(D)	Broadcasting	
A		13 03/201							
								{P.T.O.}	

- **99.** When an attempt is to make a machine or network resource unavailable to its intended users, the attack is called :
 - (A) Slow read attack

(B) Spoofed attack

(C) Starvation attack

(D) Denial of service attack

100. In asymmetric encryption :

- (A) Same key is used for encryption and decryption
- (B) Different keys are used for encryption and decryption
- (C) No key is required for encryption and decryption
- (D) No key is used for encryption and a public key is used for decryption

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