001.	In FIFO page replacement algorithm, when	a pad	ge must be replaced	Α
•••			newest page is chosen	
	A oldest page is chosenC random page is chosen	D	not in use	
002.	Which algorithm chooses the page that has		peen used for the longest period of	С
	time whenever the page required to be repl			
	A first in first out algorithm	_		
	C least recently used algorithm		counting based page replacement	
			algorithm	
003.	Effective access time is directly proportional	l to _		Α
	A page-fault rate	В	hit ratio	
	C memory access time	D	page replacement	
004.	Because of virtual memory, the memory ca	n be s	shared among	Α
	A Processes	В	thread	
	C instructions	D	users	
005.	is the concept in which a process is	-		В
	secondary memory according to the require	ement		
	A Paging	В	Demand paging	
	C Segmentation	D	Swapping	
006.	Swap space exists in			В
	A primary memory	В	secondary memory	
	C Cpu	D	ROM	_
007.	When a program tries to access a page that		apped in address space but not	С
	loaded in physical memory, then			
	A segmentation fault occurs	В	fatal error occurs	
000	C page fault occurs	D	no error occurs	_
008.	Virtual memory is normally implemented by			Α
	A demand paging	В	buses	
000	C virtualization	D	compaction	_
009.	The valid - invalid bit, in this case, when val			С
	A the page is not legal	В	the page is illegal	
010	C the page is in memory In virtual memory the programmer	D	the page is not in memory	В
010.	A has to take care	— ` В	does not have to take care	Ь
	C all of the mentioned	D	none of the mentioned	
011	A process is thrashing if	D	none of the mentioned	Α
011.	A it is spending more time paging than	В	it is spending less time paging than	^
	executing		executing	
	C page fault occurs	D	swapping can not take place	
012.	Working set model for page replacement is			В
•	A modularity	В	locality	_
	C globalization	D	random access	
013.	Virtual memory allows			Α
	A execution of a process that may not	В	a program to be smaller than the	
	be completely in memory		physical memory	
	C a program to be larger than the	D	execution of a process without being	
	secondary storage		in physical memory	
014.	The instruction being executed, must be in			Α
	A physical memory	В	logical memory	
	C physical & logical memory	D	network	
015.	If no frames are free, page transfer(s	s) is/a	re required.	В
	A one	B	two	
	C three	D	four	
016.	When a page is selected for replacement, a	and its	s modify bit is set	D
	A the page is clean			

	С	the page is dirty	D	was read in from the disk the page has been modified since it was read in from the disk & page is dirty	
017.	E. If	ocess refers to 5 pages, A, B, C, D, E in the page replacement algorithm is FIFO		order: A, B, C, D, A, B, E, A, B, C, D,	С
	A C	ty internal store of 3 frames is? 8 9	B D	10 7	
018.	A pa	ge fault occurs when?			В
	Α΄	a page gives inconsistent data	В	a page cannot be accessed due to its absence from memory	
	С	a page is invisible	D	a page is deleted	
019.	Whe	n a page fault occurs, the state of the i	nterru	pted process is	C
	Α	disrupted	В	invalid	
	С	saved	D	deleted	
020.	Whe	n the page fault rate is low			C
	Α	the turnaround time increases	В	the effective access time increases	
	С	the effective access time decreases	D	turnaround time & effective access time increases	
021.	Loca	llity of reference implies that the page r	efere	nce being made by a process	В
			_	Sa Bhala ta ba ana a t tha nana ana a	
	Α	will always be to the page used in the	В	is likely to be one of the pages used	
	_	previous page reference	_	in the last few page references	
	С	will always be one of the pages	D	will always lead to page faults	
000	TI	existing in memory	-l l		
022.	_	circular wait condition can be prevented	_		Α
	A	defining a linear ordering of resource types		using thread	
	C	using pipes	D	using multiple processors	_
023.		ch one of the following is the deadlock		_	Α
		bankers algorithm		_	
004	C	elevator algorithm	D	karns algorithm	
024.	_	t is a reusable resource?	_	district the second second	Α
	Α	that can be used by one process at a	В	that can be used by more than one	
	_	time and is not depleted by that use	D	process at a time	
	C 	that can be shared between various threads	D	that can be shared between various users	_
025.	_	aim of creating page replacement algo			С
	A	replace pages faster	В	increase the page fault rate	
	С	decrease the page fault rate	D	to allocate multiple pages to	
000	.		14.4	processes	_
026.		mal page replacement algorithm is diffic		-	В
	Α	it requires a lot of information	В	it requires future knowledge of the	
	_		_	reference string	
007	C	it is too complex	D	it is extremely expensive	_
U2/.		t are the two methods of the LRU page	repla	acement policy that can be	С
		emented in hardware?	_	DAM O Dawlets or	
	A	Counters	В	RAM & Registers	
000	C	Stack & Counters	D	Registers	_
028.		essential content(s) in each entry of a p	_		В
	A	Virtual page number	В	Page frame number	
	С	Both virtual page number and page frame number	D	Access right information	

029.	For i	non snarable resources like a printer, n	nutua	exclusion	A
	Α	must exist	В	must not exist	
	С	may exist	D	depends on case	
030.			_	some resources and requests another	D
		urce that cannot be immediately alloca			
	Α	then the process waits for the	В	the process keeps sending requests	
		resources be allocated to it		until the resource is allocated to it	
	С	the process resumes execution	D	then all resources currently being	
		without the resource being allocated		held are preempted	
		to it			
031.	Dea	dlock prevention is a set of methods			Α
	Α	to ensure that at least one of the	В	to ensure that all of the necessary	
		necessary conditions cannot hold		conditions do not hold	
	С	to decide if the requested resources	D	to recover from a deadlock	
		for a process have to be given or not			
032.	A pr	oblem encountered in multitasking whe	n a p	rocess is perpetually denied necessary	В
	-	urces is called			
	Α	deadlock	В	starvation	
	С	inversion	D	aging	
033.	To a	void deadlock			Α
	Α	there must be a fixed number of	В	resource allocation must be done only	,
		resources to allocate		once	
	С	all deadlocked processes must be	D	inversion technique can be used	
		aborted		·	
034.	The	number of resources requested by a p	roces	S	С
	Α	must always be less than the total	В	must always be equal to the total	
		number of resources available in the		number of resources available in the	
		system		system	
	С	must not exceed the total number of	D	must exceed the total number of	
		resources available in the system		resources available in the system	
035.	The	request and release of resources are _			С
	Α	command line statements	В	interrupts	
	C	system calls	D	special programs	
036.		nsafe states are		oh a erem h . e 9. em. e	В
	Α	deadlocks	В	not deadlocks	
	С	fatal	D	some are deadlocks	
037.	_	stem has 12 magnetic tape drives and	3 pro		D
	,	ires 10 tape drives, P1 requires 4 and	•		
	•	imum needs (process-wise: P0 through		•	
		cess-wise) 5 2 2 Which of the following		• •	
	A	P0, P1, P2	В	P1, P2, P0	
	С	P2, P0, P1	D	P1, P0, P2	
038.	A sv	stem is in a safe state only if there exis	sts a	• •	С
	Α	safe allocation	В	safe resource	
	С	safe sequence	D	safe process	
039.		•		the to decide whether	Α
		current request can be satisfied or mus			
	Α	resources currently available	В	processes that have previously been	
	- •		_	in the system	
	С	resources currently allocated to each	D	future requests and releases of each	
	J	process	_	process	
040	Give	en a priori information about the	nı		С
UTU.				to construct an algorithm that ensures	_
	-	the system will never enter a deadlock		-	
	uiai	ano oyotom wiii nevel entel a ucauluuk	Sidie	•	

	Α	minimum	В	average	
	С	maximum	D	approximate	
041.		_ · · · · · · · · · · · · · · · · · · ·	y exa	mines the to ensure that	A
	a cir	cular wait condition can never exist.			
	Α	resource allocation state	В	system storage state	
		operating system	D	resources	
042.		is a unique tag, usually a number id	dentifi	-	Α
		File identifier	В	File name	
	С	File type	D	size of the file	
043.	Whic	ch file is a sequence of bytes organized	linto	blocks understandable by the systems	Α
	linke	r?			
	Α	object file	В	source file	
	С	executable file	D	text file	
044.	A co	mputer system has 6 tape drives, with	n pro	cesses competing for them. Each	A
	proc	ess may need 3 tape drives. The maxir	num '	value of n for which the system is	
	guar	anteed to be deadlock free is?			
	Ā	2	В	3	
	С	4	D	1	
045.	The	content of the matrix Need is		_	C
	Α	Allocation - Available	В	Max - Available	
	С	Max - Allocation	D	Allocation - Max	
046.	An e	dge from process Pi to Pj in a wait for g	graph	indicates that	C
	Α	Pi is waiting for Pj to release a	В	Pj is waiting for Pi to release a	
		resource that Pi needs		resource that Pj needs	
	С	Pi is waiting for Pj to leave the system	D	Pj is waiting for Pi to leave the system	
047.		wait for graph contains a cycle		,	В
	Α	then a deadlock does not exist	В	then a deadlock exists	
	С	then the system is in a safe state	D	either deadlock exists or system is in	
				a safe state	
048.	Whe	n will file system fragmentation occur?			Α
	Α	unused space or single file are not	В	used space is not contiguous	
		contiguous		3	
	С	unused space is non-contiguous	D	multiple files are non-contiguous	
049.		data structure used for file directory is			В
	Α	mount table	В	hash table	_
	C	file table	D	process table	
050.		ch one of the following explains the seq		•	В
	Α	random access according to the given		read bytes one at a time, in order	_
	-	byte number			
	С	read/write sequentially by record	D	read/write randomly by record	
051.		t is the mounting of file system?	_		С
•	Α	crating of a file system	В	deleting a file system	
	C	attaching portion of the file system	D	removing the portion of the file	
		into a directory structure		system into a directory structure	
052	Man	ping of file is managed by		System into a directory structure	Α
002.	A	file metadata	<u>В</u>	page table	^
	C	virtual memory	D	file system	
053	_	ping of network file system protocol to I	_	•	Α
033.	A	network file system	В	local file system	^
	Ĉ	volume manager	D	remote mirror	
05/	_	time taken to move the disk arm to the			С
UJ4.	1116	une taken to move the disk aim to the	u c oil	ed cyllitaer is called the	J
	Δ	positioning time	В	random access time	
	A C	seek time	D D	rotational latency	
	\cup	JOON WITE	ט	rotational laterity	

055.	The time	taken for the desired sector to	o rotate to	the disk head is called	_ D
	A pos	itioning time	В	random access time	
		k time	D	rotational latency	
056.		of tracks that are at one arm p			D
	•	gnetic disks		electrical disks	
		emblies	D	cylinders	_
057.		type of allocation method eac	th file occu	upy a set of contiguous block on the	Α
	disk?	Company the confirm	Б.	Language of the second Health Con-	
		=		dynamic-storage allocation	
050		ed allocation	D		_
UOO.		the following are the two part			С
		ne & identifier ension & name	B D	identifier & type type & extension	
050				• •	Α
059.		information is recorded magnetic disks	В		A
		emblies	D	cylinders	
060				ne end of the disk and moves toward	В
000.		_		nd of the disk. At the other end, the	
		is reversed and servicing con		id of the disk. At the strict offer, the	
	A LO	<u> </u>	В	SCAN	
		CAN	D	C-LOOK	
061.			_	he disk controller can read and write,	С
		disk can store data is known			
	A part		В	swap space creation	
	•	level formatting	D	none of the mentioned	
062.		orithm, like SJF	of some	requests.	Α
		cause starvation		will cause starvation	
	C doe	s not cause starvation	D	causes aging	
063.	0	controller sends the command	l placed in	to it, via messages to the	C
	controlle	-			
		t, host	В	disk, disk	
	C hos	•	D	disk, host	
064.		•		locks on cylinders. 98 183 37 122 14	D
		ě (ved) scheduling, the total number of	
		vements is, if the disk head is			
	A 600		В	620	
005	C 630		D	640	_
065.		access in magnetic tapes is _		_ compared to magnetic disks.	D
	A fast C slow		B D	very fast	
066		v el 5 is also known as	D	very slow	С
000.		nterleaved parity organization	n B	block-interleaved parity organization	C
		ck-interleaved distributed parit			
067		•	•	all N+1 disks rather than storing data	С
001.		s and parity in 1.	ata arriorig	an itt i dioko fakilor tilari otornig data	
	A 3	s and party in 1.	В	4	
	C 5		D	6	
068.	•	evel 4, one block read, acces	ses		Α
		one disk	В	all disks simultaneously	
	•	lisks sequentially	D	only two disks	
069.				nation used by the disk controller such	В
		and		•	
		n section & disk identifier	В	error correcting codes (ECC) & secto number	r

070.		sector number & main section two steps the operating system takes to			Α
	and A		В	swap space creation & caching	
	C	partitioning & logical formatting caching & logical formatting	D	logical formatting & swap space creation	
071.	RAII	D level is also known as block in	terlea	ved parity organisation and uses block	(D
	_	striping and keeps a parity block on a	_ `	_	
	A C	1 3	B D	2	
072	_	ാ ch principle states that programs, users	_	•	В
012.		ugh privileges to perform their task?	anu	even the systems be given just	_
	A		В	principle of least privilege	
		principle of process scheduling	D	principle of application software	
073.		is an approach to restricting system	acce	ess to authorized users.	Α
	Α	Role-based access control			
	С	Job-based access control		•	
074.	_	D level is also known as bit inte	_	ed parity organisation.	D
	A C	0 2	B D	3	
075	_	z disk fails in RAID level re	_	-	Α
075.	A		В	2	^
	C	3	D	4	
076.	_	O stands for	_	•	D
	Α	Redundant Allocation of Inexpensive Disks	В	Redundant Array of Important Disks	
	С	Redundant Allocation of Independent Disks	D	Redundant Array of Independent Disks	
077.	The	technique of duplicating every disk is k	nown		Α
	Α	mirroring	В	shadowing	
070	C	redundancy	D	striping	_
078.	_	pal table implementation of the matrix ta	_		D
	A C	domain right-set	B D	object	
079		night-set omain structure what is Access-right eq	_	domain, object and right-set	Α
013.	A	Access-right = object-name, rights-set		Access-right = read-name, write-set	^
	C	Access-right = read-name, execute-	D	Access-right = object-name, execute-	
		set		set	
080.	Acce	ess matrix model for user authentication	n cont	ains	Α
	Α	a list of objects, a list of domains and	В	a list of objects only	
		a function which returns an objects			
		type			
	С	a list of domains only	D	aa function which returns an objects	
	_			type only	_
081.		system protection, a process should ac			В
	A	all the resources	В	only those resources for which it has authorization	
000	C	few resources but authorization is not required		only hardware	_
U82.		protection domain of a process contain	_	rights set	С
	A C	object name	В	rights-set	
US3	_	both object name and rights-set e set of resources available to the proce	D See ie	none of the mentioned	Δ
.		its domain is	,00 IO	inca unoagnout the processs method	~

	Α	static	В	dynamic	
	С	neither static nor dynamic	D	either static or dynamic	_
084.		h of the following is a good practice?			С
	Α	Give full permission for remote	В	Grant read only permission	
	_	transferring	_		
	С	Grant limited permission to specified	D	Give both read and write permission	
		account		but not execute	
085.	What	t is not a good practice for user adminis			D
	Α	Isolating a system after a compromise		Perform random auditing procedures	
	С	Granting privileges on a per host	D	Using telnet and FTP for remote	
		basis		access	
086.	From	the following, which is not a common			C
	Α	Write	В	Execute	
	С	Stop	D	Read	
087.		t does the access matrix represent?	_		A
	Α	Rows-Domains, Columns-Objects	В	Rows-Objects, Columns-Domains	
	С	Rows-Access List, Columns-Domains	D	Rows-Domains, Columns-Access list	_
088.	_	can add new rights and remove some	_		D
	Α	сору	В	transfer	
	С	limited copy	D	owner	_
089.		t are the common security threats?	_		В
	Α	File Shredding	В	File sharing and permission	
	C	File corrupting	D	File integrity	_
090.	_	t forces the user to change password a			D
	A	Default behavior of OS	В	Part of AES encryption practice	
	С	Devices being accessed forces the	D	Account administrator	
004		user	0		
091.	_	t is not a best practice for password po	•	Destriction on account and	D
	А	Deciding maximum age of password	В	Restriction on password reuse and	
	_	Barrier I and the	_	history	
	С	Password encryption	D	Having change password every 2	
000	\	t daga Light Digastag. Assass Dystocal	/I D A	years	_
092.	_	t does Light Directory Access Protocol	_		В
	A	Users	В	Address	
002	C	Passwords	D	Security Keys	_
093.		th of the following is the least secure m			D
	A C	Key card	В	fingerprint Password	
004	_	retina pattern	D	Password	С
U94.		th of the following is a strong password		Dollai00	C
	A C	19thAugust88 P@assw0rd	B D	Delhi88	
005	_	is one time password safe?	D	laugustdelhi	С
095.	•	It is easy to generated	В	It cannot be shared	C
	C	It is easy to generated It is different for every access	D	It is a complex encrypted password	
006		t is trap door?	D	it is a complex elicrypted password	В
090.		It is trap door in War Games	В	It is a hole in software left by designer	
	C	It is a Trojan horse	D	· · · · · · · · · · · · · · · · · · ·	
	C	it is a Trojan norse	U	It is a virus which traps and locks user terminal	
007	\//ha	t is the preferred way of encryption?		terrilliai	С
uai.	A	pre shared secret key	В	using key distribution center (KDC)	J
	C	public key-encryption	D	symmetric key	
NOS		t is Trojan horse?	ט	Symmetric Rey	С
550 .	A	It is a useful way to encrypt password	R	It is a user which steals valuable	9
	•	a doord. Hay to only pt password	_	information	

	C	it is a rogue program which tricks	ט	its a brute force attack algorithm	
		users			_
099.		t is the breach of integrity?	_		В
	Α	This type of violation involves	В	This violation involves unauthorized	
	_	unauthorized reading of data	_	modification of data	
	С	This violation involves unauthorized	D	This violation involves unauthorized	
		destruction of data		use of resources	
100.	Wha	t is breach of confidentiality?			Α
	Α	This type of violation involves	В	This violation involves unauthorized	
		unauthorized reading of data		modification of data	
	С	This violation involves unauthorized	D	This violation involves unauthorized	
		destruction of data		use of resources	
101.	Wha	t is theft of service?			D
	Α	This type of violation involves	В	This violation involves unauthorized	
		unauthorized reading of data		modification of data	
	С	This violation involves unauthorized	D	This violation involves unauthorized	
		destruction of data	_	use of resources	
102	MD5	produces bits hash data.		455 51 155541555	Α
.02.	A	128	В	150	, ,
	C	160	D	112	
103	_	ch two of the following are authentication	_		Α
100.	A	MAC	В	AES	
	C	DAS	D	Digital-signature	
104	_	ch of the following is not a stream ciphe		Digital-signature	D
104.	A	Two fish	В	RC5	ט
	C	RC4	D	TBONE	
40E			ט	IDONE	_
105.		t is not a role of encryption?	D	It is used to engume user	D
	Α	It is used to protect data from	В	It is used to ensure user	
		unauthorized access during		authentication	
	_	transmission	_		
	С	It is used to ensure data integrity	D	It is used to ensure data corruption	
				doesnt happens	_
106.	_	t is cipher-block chaining?	_		С
	Α	Data is logically ANDed with previous	В	Data is logically ORed with previous	
	_	block		block	
	С	Data is logically XORed with previous	D	Data is logically XORed and ANDed	
		block		with previous block	
107.	Wha	t is not an encryption standard?			В
	Α	AES	В	TES	
	С	Triple DES	D	DES	
108.	A fire	ewall protects which of the following att	acks?		C
	Α	Phishing	В	Dumpster diving	
	С	Denial of Service (DoS)	D	Shoulder surfing	
109.	Pack	cet filtering firewalls are deployed on		<u></u>	Α
	Α	routers	В	switches	
	С	hubs	D	repeaters	
110.	Firev	vall examines each tha	t are	•	D
	netw			- ~	
	Α	emails users	В	updates	
	C	connections	D	data packets	
111.	_	valls can be of kinds.		· F	С
• •	A	1	В	2	
	C	3	D	4	
112.			_	nected between the device and the	Α
		55 5 5			

	netw	ork connecting to internet.			
	Α	Hardware Firewall	В	Software Firewall	
	С	Stateful Inspection Firewall	D	Microsoft Firewall	
113.	Whic	ch of the following is not a software fire	wall?		D
	Α	Windows Firewall	В	Outpost Firewall Pro	
	С	Endian Firewall	D	Linksys Firewall	
114.		is one of the most secured Linu	x OS	•	В
		gnito option for securing its user data.			
	Α `	Fedora	В	Tails	
	С	Ubuntu	D	OpenSUSE	
115.	Whic	ch of the following OS does not comes	under	•	D
	Α	Qubes OS	В	Tails	
	С	Tin Hat	D	Ubuntu	
116.	One	advantage of Packet Filtering firewall is	S		С
	A	more efficient	В	less complex	
	С	less costly	D	very fast	
117.		e layer of OSI model			D
	Α	Application layer	В	Session layer	
	С	Presentation layer	D	Network layer	
118.		defines the packet filtering		•	Α
		Access Control List	В	Protocols	
	С	Policies	D	Ports	
119.	_	stands for	_		D
		Access Condition List	В	Anti-Control List	_
		Access Control Logs	D	Access Control List	
120.		is a security app by			В
		dows OS that is designed to filter netwo			
		oful communications or the programs w			
				Windows Firewall	
	C	Windows Security Essentials Windows app blocker	D	Windows 10	
121.		are essential because they			D
		rity holes.	,	, -	
	A	System software	В	Utility Software	
	C	Software executables	D	Software updates	
122.	_	backup for securing your device, it is n		•	D
	Α	backup point	В	copy of files in separate drives	
	C	copy of files in the same drives	D	restore point	
123.	_			has 2 VMs (Virtual Machines) that	С
0.		in preserving users data private		That I this (thisas masimiss) that	
	A	Fedora	В	Ubuntu	
	C	Whonix	D	Kubuntu	
124	_	ch of the following comes under secure	_		D
	Α	Ubuntu	В	Fedora	
	C	Kubuntu	D	Tails	
125.	_	passwords are next level of se	_		Α
. 20.	A	BIOS	В	CMOS	~
	Ĉ	SMOS	D	BOIS	
	$\overline{}$		_		