



SINo	Question	Option A	Option B	Option C	Option D	Answer
1	The most appropriate statement about "Kernel" is	Considered as the critical part of the operating system	The set of primitive functions which monitors the operating system	The set of primitive functions upon which the rest of operating system functions are built up	All of the above	C
2	Which of the following statements are true? I. Shortest remaining time first scheduling may cause starvation II. Pre-emptive scheduling may cause starvation III. Round robin is better than FCFS in terms of response time	I & II only	I and III only	I, II and III	None of the above	C
3	Fragmentation is	Dividing the secondary memory into equal sized fragments	Dividing the main memory into equal sized fragments	Fragments of memory words unused in a page	Fragments of memory words used in a page	C
4	When an interrupt occurs, an operating system	Ignores the interrupt	Always changes the state of the interrupted process after processing the interrupt	Always resumes execution of the interrupted process after processing the interrupt	May change the state of the interrupted process to "blocked" and schedule another process	D
5	Adaptive or dynamic directory used in packet routing changes	within each user session	with each user session	at system generation time only	both a) and b)	A
6	What is the maximum length of SSID (Service Set Identifier)?	16	32	64	128	B
7	Fading of received radio signals in a mobile communication environment occurs because of	Direct propagation	Multipath Propagation	Bi-path Propagation	None of the above	B
8	Short cut key to open the "Save as" dialog box in MS Office	F12	Alt + F12	Ctrl + F12	Shift + F12	A
9	How to get IMEI of your mobile phone	*#06#	*#60#	*06*#	*#06*#	A
10	You are trying to access a URL, but the following message is displayed : Server error 403. What could be the reason for the message?	The requested HTML file is not available	The URL refers to a CGI script and the header of the script does not indicate where the interpreter is located	The first line of the output from the script is not a valid HTTP header	The requested HTML file or CGI script has insufficient permission.	D
11	Independent malicious program that need not any host program is known as _____ is committed by businesses or individuals who conceal assets, mislead creditors, falsely claim bankruptcy, file multiple bankruptcy claims, or launch petition mills.	Trap doors	Trojan horse	Virus	Worm	D
12	Which of the following is a NetBIOS DDoS tool	Banking fraud	Emblezzment	Identity fraud	Bankruptcy fraud	D
13	_____ is needed when the sender transmits faster than the receiver or intermediate network equipment can process the transmissions.	Netsh	NBname	NBTdeputy	NBTcracker	C
14	Flow control	Flow control	Data Control	Data Management	Flow Management	A
15	How many storage locations are available when a memory device has twelve address lines?	2048	144	512	4096	D
16	Name the device that prevents electrical problems from affecting computer data files?	Incremental backup	Full backup	Surge protector	Differential backup	C
17	Which of the following tools can perform a "Man In The Middle" attack (MITM)?	SMBReplay	C2MYAZZ	SMBRelay	PWDump2	B
18	Phenomena of fading of radio signals due to the large number of reflections is termed as	Rayleigh fading	Nakkagami fading	Rician fading	Weibull Fading	A
19	IMEI Stands for	International Mobile Equipment Identity	International Mobile Equipment Identification	International Mobile Equipped Identity	International Mobile Equipped Identification	A
20	IMSI Stands for	International Mobile Subscriber Identification	International Mobile Subscribed Identity	International Mobile Subscribed	International Mobile Subscriber Identity	D
21	Character limit for the tweet of the twitter account	120	128	140	160	C
22	In social media 'hash tag' (e.g., #Demonetization) defined as	Page	Label	Topic	Service	B
23	Strongest Wi-Fi security mechanism among the following combination is	WPA2 + AES	WPA2	WPA + AES	WEP	A
24	A few customers of ICICI Bank received an e-mail asking for their Internet login name and password to their account. The e-mail seemed so genuine that some users even clicked on the URL given in the mail to a Web page that very closely resembled the official site. The scam was finally discovered when an assistant manager of ICICI Bank's information security cell received e-mails forwarded by the bank's customers seeking to crosscheck the validity of the e-mails with the bank. What kind of attack is?	Identity Theft	Phishing	Email-spoofing	Spear phishing	B
25	Shortcut key to capture Screenshot for 'Active Window' in Microsoft Windows	Alt + PrtScn	Ctrl + PrtScn	Shift + PrtScn	Alt + Shift + PrtScn	A
26	Hiding of message in images is termed as	Masquerade	Spoof	Encryption	Steganography	D



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27	This is a trial and error method used to decode encrypted data through exhaustive effort rather than employing intellectual strategies.	Chaffing and Winnowing	Cryptanalysis	Serendipity	Brute Force	D
28	The mobile positioning technique used by emergency services to find a caller's location	X and Y coordinates	Cell of Origin	Location based services	Automatic Vehicle Locator	B
29	In HTML5, How can you specify default text in an input field?	Using JavaScript	Using the 'text' attribute	Using the 'placeholder' element	Using the 'placeholder' attribute	D
30	The IMSI column in the CDR signifies the connection id to the user+C34, while analysing the CDR you observe that the CDR contains more than one IMSI after a certain date and time. which of the following is not the valid cause for it	Replaced Sim	Mobile Number Portability	Reassigned Numbers	None of the above	A
31	In the LAC(Location Area Code) the last digit generally signify the Azimuth, which of the following is the case where azimuth can be zero	Highway	Railway Lines	Shopping Malls	Office Complexes	C
32	Which section of IT Act was invalidated by Supreme Court of India	Section 66F	Section 66B	Section 66D	Section 66A	D
33	Suppose you are an IT expert and you need to send information of a sensitive crime case Investigation over the public network securely, what you will do.	Encode & Encrypt the data and then send	Encrypt & Hashing the data and then send	Encode & Hashing the data and then send	None of the above	D
34	Encoding is	Process of coverting data into various formats in which to be used on a different device or system	Process of scrambling data to make it decipherable only by the inteded receipients	A method that scrambles data by applying a one way transformation	None of the above	A
35	When discussing passwords, what is considered a brute force attack?	You attempt every single possibility until you exhaust all possible combinations or discover the password	You threaten to use the rubber hose on someone unless they reveal their password	You load a dictionary of words into your cracsheets program	You create hashes of a large number of words and compare it with the encrypted passwords	A
36	Which one is odd?	Konqueror	Edge	Safari	Web	D
37	What is the full form of SIM in mobile?	Subscriber Identity Module	Subscriber Identity for Mobile	Signal Interface Module	Signal Integrated Module	A
38	if a person steal the secret information directly from the device placed in Police Station. What can not be the reason?	Authentication/Authorization Security Breach	Physical System Security Breach	Phishing	All of the above	C
39	Which of the following is not Vulnerabilities	Buffer Overflows	Unvalidated Input	Double free	None of the above	D
40	Which option does not come under Hard Disk Maintenance?	Error Checking	Defragment your Hard Disk	Formatting the Hard Disk	None of the above	C
41	Which is not the reason to get the CPU's temperature high?	Heavy Software Load	Dust	Airflow Issues	None of the above	D
42	What is a Zero-Day Vulnerability?	Refers to a hole in software that is unknown to the vendor	Refers to a known vulnerability which is not patched	Refers to a known risk which is yet to be patched	None of the above	A
43	How to delete a user with home directory in linux?	<pre>userdel --remove <pre> <username></pre>	<pre>userdel --withhome <pre> <username></pre>	<pre>userdel --homedir <pre> <username></pre>	<pre>userdel <pre> <username></pre>	A
44	How to prevent a user to be logging without disabling the account in linux	<pre>usermod --nologin <pre> <username></pre>	<pre>passwd -l <pre> <username></pre>	<pre>passwd --lock <pre> <username></pre>	<pre>usermod -p <pre> <username></pre>	B
45	What can be the cause of error message "The file "file name" is too large for the destination file system" while coping the file from on windows machine to another windows machine.	File size is too big to copy by the source machine	File may be corrupt	There is not enough disk space in destination machine	Destination file system doest not support larg file size	D
46	Arrange ports in following order POP3, SMTP, SSH, DNS, FTP data,TELNET, FTP connection	25,22,110,21,53,23,20	25,22,20,110,53,23,21	110,25,22,53,20,23,21	53,25,22,21,110,23,20	C
47	Which class of IP address is this 00001010.00010111.01001000.10101101?	A	B	C	D	A
48	What is latest version of bluetooth?	5.0	5.1	5.2	5.3	A
49	Which one of the following protocol is used to receive mail messages?	SMTP	Post Office Protocol	Internet Message Access Protocol	All of the above	D
50	A Digital Camera was seized by police officer having some .RAW files which is not viewable as picture. What are the option you can take?	This is a raw file not an image so there is no use of having .RAW file.	.RAW file can be processed and developed an image file.	This is actually a video file which need encoder to run it.	Just change the extention of .RAW to .JPG and you can see image.	B
51	A consumer received a message on his/her mobile "You have just won a Rs. 100000.00 gift card! Click <u>here</u> to claim you gift". What kind of Attack it is?	Phishing	Vishing	Smishing	Hacking	C
52	A user finds that all the important files of the system are corrupted and receives a pop-up message that "Your important files has been encrypted, to decrypt it you need a private key. Private key will be deleted within 72 hrs of encryption. To retrieve the private key, you need to pay \$400".Exactly what kind of attack it is	Ransomware	Malware	Worm	Cryptoware	A
53	In processes, access control implements a	Security Policy	Access Policy	Control Policy	Check Policy	A
54	Which is not a authentication form factor	Something you know	Something you have	Something you can do	Something you are	C



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55	A person purchased a phone using its credit card from flipkart.com . For completing the transaction websites asked for Card number, Expiry date of Card, Name then CVV then websites redirects to the customer's bank for entering 3D secure PIN. After successful completion payment has been made. In this scenario how many authentication form factors are applied.	1	2	3	4	A
56	What option you will choose to see the email header in gmail account?	Show header	Show detail	Show Full email	None of the above	D
57	Which of the following is not a USB port used in mobile phone.	Mini-A & B	Micro-A & B	USB Type-C	USB Type-B	D
58	A Police officer looking important document in pendrive which might have some hidden files and folders. The officer has restriction to access pendrive in command prompt only. What command he will use to see and unhide the files and folders available in it.	dir /a and attrib +s +h +a +r /d *.*	dir /ah and attrib -s -h -a -r /d *.*	dir /s and attrib -s -h -a -r /d *.*	dir /sh and attrib +s +h +a +r /d *.*	B
59	A Citizen complaints regarding illegally copying of the content from his website and use it as for their own research papers, project works etc. What term is used for this scenario in Information Technology?	Copy Right Violation	Plagiarism	Intellectual Property Rights	Patents Violation	B
60	Port mirroring can be used for	Real user monitoring	Intrusion detect system	Application performance management	All of the above	D
61	Arrange symbol used in linux in a order like current directory, parent directory, home directory, path separator	<pre>".", "..", "~", "/" </pre>	<pre>"~", "..", ".", "\" </pre>	<pre>".", "..", "~", "\" </pre>	<pre>"..", ".", "~", "\" </pre>	A
62	In linux "alias" command is used to create alias of any command to make operation easy. What Similar command is used in windows?	Alias	Label	Doskey	Macro	C
63	Which of the following statements is true?	Wireless keyboard is much safer then wired keyboard because it has not cable to be taped	Onscreen keyboard is the better way to prevent the attack of keylogger	Virtual keyboard is the only way to get secure from keylogger	None of the above	D
64	During the cyber crime investigation police officer found three files in computer hard drive having extensions of ".VDI", ".VMDK", ".VHD". What are these files related to which Application?	VMWare, Windows Virtual PC, VirtualBox	VirtualBox, VMWare, Windows Virtual PC	Windows Virtual PC, VMWare, VirtualBox	VirtualBox, Windows Virtual PC, VMWare	B
65	What is HASH Value for a file?	HASH Value is a encrypted version of a file used for forensic purpose.	HASHING is a technique through which you can find hidden info out of it.	HASH value is a Signature of a file which ensure the integrity of the same	HASHING is used for encode/encrypt the file to prevent from modify it.	C
66	A person opens a website and logged in using his credentials then closes the browser directly without logging out. Next time when he opens the same website, he found that he is already logged in. Which of the following may be the reason for the same	Because session id was not expired	Because cache memory was not cleared	Because cookies stores username and password	All of the above	A
67	Drop Box is an example of	Open Space	Cloud storage	Open Drive	All of the above	B
68	There was a big file downloading over mobile data in your smartphone meanwhile you got a call, after finished the call downloading still uninterpreted What technology is being used by mobile operator.	WCDMA	VoLTE	HSDPA	LTE	B
69	A man calls a company's help desk and says he's forgotten his password. In a panic, he adds that if he misses the deadline on a big advertising project, his boss might fire him. The help desk worker feels sorry for him and quickly resets the password unwittingly giving the hacker clear entrance into the corporate network. Which kind of attack it is?	Spying	Vishing	Call hacking	Man in the Middle	B
70	While logging into a website I found that it asking a very simple question to continue to login like "What is the smallest no mentioned below, 34, 1, 55, 7". It is used because it prevents the website from	Bots	Phishing	Trojan	All of the above	A
71	Identity Theft comes under which section of IT (Amendment)Act, 2008	66C	66B	66D	66E	B
72	Openssh is a technique for authentication of	Private key	Public key	Secret key	All of the above	B
73	What is WPA	Wi-Fi Protected Access point	Wi-Fi Protected Access	Wi-Fi Private Access point	Wi-Fi Private access	B
74	Mounting of file system means?	Attaching portion of the file system into a directory structure	creation of a file system into a directory structure	Appending of a file system into a directory structure	Adding portion of the file system into a directory structure	C
75	Paid advertising based on a per-click model is called	ICT indicators	Search Engine Optimization	Sponsored search-engine advertising	Feedback	C
76	What is Google analytics?	Tracks and reports website traffic	Social networking crawler	Tool to scan virus	Effective use of Google	A
77	You must have seen advertisements for 'High speed mobile internet' with the term LTE.What does LTE stands for?	Long Time Enhancement	Long Term Evolution	Long Technology Evolution	Long Telecommunication Enhancement	B
78	Common technique used for protecting a critical section in Linux is:	Lock Step	Deadlock	Spinlock	None	C

Computer Awareness (Event-I)



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79	The ability to recover and read deleted or damaged files from a criminal's computer is an example of a law enforcement specialty called	Robotics	Computer Forensics	Simulation	Animation	B
80	When someone is spying on you while you are carrying out a transaction at a cash dispenser or an electronic device is called	Spying	Shoulder Surfing	Phishing	Spoofing	B
81	Which of the following is NOT a Certification Authority?	Verisign	Baltimore	Xeriner	Netscape	C
82	Which of the following is not a field in a certificate header	Acting CA	Name of certificate holder	Period of validity	IP address of sender	D
83	If a person gain access to my console would be able to log in to remote systems using my public key. Or what if I lost my key, the finder would be able to access every system on which I installed my public key. To prevent this which of the following should be used	User Name and password	Pass phrase	Salt	Private key	B
84	As per the OSI reference model (Layer 1 to 7). Identify the layers in which hub, router, switch and bridge are used	1, 3, 2, 2	2, 1, 3, 2	3, 1, 2, 2	2, 2, 1, 3	A
85	Cloud computing is also a good option when the cost of infrastructure and management is _____	Low	High	Moderate	None of the above	B
86	Which of the architectural layer used as front end in cloud computing ?	Client	Soft	Cloud	None of the above	A
87	What is the name of NIC Cloud	NICMegha	MeghRaj	NICCloud	MeghNIC	B
88	Facebook is a/an	Egocentric	Sociocentric	Both	None	C
89	When a logic bomb is activated by a time related event, it is known as _____	Time event bomb	Sequence time bomb	Time logic bomb	Time bomb	D
90	A threatening email received in India is showing mail sent at 1645hrs. When intelligence agency inspected the header of the mail they found that it was sent from SriLanka. What is the local time of Sri Lanka at which the email was sent.	1645	2215	1115	2230	A
91	Theft of information such as the user's calendar, contact list and e-mail from a wireless device through a Bluetooth connection is termed as	Bluesnarfing	Bluejacking	Bluebugging	Blueth theft	A
92	Which is not a mobile operating system	Cada	Palm	MeeGo	webOS	A
93	On the basis of key arrangements which of the following is not a major type of keyboard	QWERTY	TCESAR	AZERTY	QWERTZ	B
94	Technique used to recover the process from starvation situation?	Paging	Aging	Compaction	Starvation	A
95	The time required to move the disk head to the desired track is known as	Access Time	Track Time	Latency Time	Seek Time	D
96	A distributed system is a collection of processors that do not share _____.	CPU	Memory	I/O devices	Network	B
97	The default port for HTTP is	60	70	80	50	C
98	Which is not a social network site	Tumbler	Flicker	Reddit	Ginterest	D
99	Social network analysis (SNA) is the process of investigating social structures through the use of _____ and graph theories.	Algorithm	Network	Trend	Chart	B
100 are typically characterized by very small cells, especially in densely populated areas.	2G system.	3G system.	2.5G system.	3.5G system.	C