



| 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 |



| SINo | Question | Option A | Option B | Option C | Option D | Answer |
|------|---|---|--|---|--|--------|
| 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 |



| SINo | Question | Option A | Option B | Option C | Option D | Answer |
|------|---|--|--|--|--|--------|
| 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)



National Crime Records Bureau, East Block-7, R.K. Puram, Delhi 110066

| SINo | Question | Option A | Option B | Option C | Option D | Answer |
|------|--|------------------------|----------------------------|--------------------|----------------------|--------|
| 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 |