Virtual University of Pakistan

Federal Government University

PAST PAPERS /MCQs/ MID TERM /FINAL TERM/SOLVED QUESTIONS

MID TERM & FINAL TERM

QUIZ NO 1 | QUIZ NO 2 | GRAND QUIZ | MID TERM | FINAL TERM

MSC-ZOOLOGY

CS101-Introduction-to-Computing



PAST PAPERS

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QUIZ NO 1

1. Time required to move the read/write heads from one track to another.__ **seek time**
2. RAM stands for:_____ _**Random access memory**
3. If we are interested to see the map of some location, we can use map operator in the following way:___ _____**Map Locations**
4. If right circular shift is performed on a. eight times. same bit pattem is obtained as it is started._____ _____**Byte size bit pattern**
5. According to famous Job market website most of the jobs are available in____ _____**Computer Science**
6. We can use Boolean operators specially to find relevant pages._____**"And "Or**
7. Average amount of time required for the desired data to rotate around to the read/write head once the head has been positioned over the desired track._____ _____**Rotational delay**
8. Approximately haw many entries a typical dictionary in a word processor can contain?_____**25,000 entries**
9. The consists of the instructions that tell the control unit to request an activity within the arithmetic/logic unit_____ _____**Arithmetic/logic group**
10. CPU required at least to fetch the instruction from memory._ _**Two nanosecond**
11. In binary Addition 1+1is =_____**10**
12. Hexadecimal notation uses … symbol to represent a pattern of four bits.___ _____**SINGLE**
13. One term could mean more than one thing for example word: "Jaquar' is used in two meanings such as____ _____**Animal and car**
14. ENIAC stands for._____ _____**Electronic numerical integrator and calculator**
15. HDTV is the abbreviation of _____**High definition television**
16. Each sound have a_____ _____**Wave**
17. which type of registers is used in program execution?__ _____**Special purpose**
18. RGB stands for_____ _____**Red, green . blue**
19. In…. digits on right side represent the fractional part._____ _____**Binary**
20. If you search on Google that "how can | hack?", then it would be so for your security.___ _____**Difficult**
21. (CPU and RAM are connected with to communicate with each other.___ __**BUS**
22. 'The hexadecimal notation far: 111010000101010100010111_____**Is E85517**
23. how Instruction can be fetched from the main memory to CPU?__**By using Bus**
24. There are___ Basic Boolean operations are._____**4**
25. We need memory to store data permanently._____ _____**Non-Volatile**
26. In CD data is stored on 2 single-track ……from inside outside._____ _____**Spiral**
27. The search results are generally presented in a line of results often referred to as____ _____**Search Engine Results Pages**
28. Generally how many steps a machine cycle have? _____**Three**
29. "You can search a phrase when even you do not know word would be there at a particular__ _____**Document**
30.

MID TERM AND GRAND QUIZ

1. compact disk is consist of material: _____ **Reflective**

2. Digital versatile disk capacity is .....MB_____ _____600 to 700
3. SSDs stand for..... _____solid state disk
4. ASCII codes have ..... combinations _____27
5. Unicode's have a unique pattern of .....bits. _____21
6. MIDI stands for..... _____ _musical instrument digital interface
7. Integer representation in 2's complement used normally .....bits_____ _____32
8. When data being compressed consist of long sequence of same value, the compression technique is called....._____ Run length encoding
9. SDHC (high capacity) can provide. .....GBs_____ 32
10. Mostly computers have additional storage devices called....._____ Mass storage
11. Most computers have additional memory device called mass storage is____ _ _____ _ DVD,s and flash drive
12. When you want to search Google or search a query on a particular social media, you can add a symbol? _____"@"
13. Fact sheet of ENIAC having weight _____30 tons
14. Example of search engine is ---------- _____Google, Yahoo and MSN
15. Computer hardware is the collection of .. of computer system ___Physical parts
16. A machine especially one programmer by a computer are called _____Robots
17. Computer science applications are…… _____7
18. Data base learn about will be implemented using ---------- tool like Microsoft access____ _____DBMS
19. One of the earlier computer device was the ----------_____Abacus
20. 1 kilo byte is equal to ---------- _____1024 byte
21. 1 tear byte is equal to ---------- _____1024 GB
22. In one bit we can represent two pattern -------- _____0 or 1
23. The bit receiver is known as the machine _____Main memory
24. RAM access for ---------- _____Random access memory
25. The rate at which can be transferred to or from the disk _____Transfer rate
26. BDs stand for ---------- _____Blue ray disk
27. CAD stand for ---------- _____Computer added design
28. Loosy techniques can often provide than -------- compression than lossless _____More
29. A variation of dictionary encoding is ----- Adaptive ____dictionary encoding
30. -------- is storage organization in which are ordered in FIFO fashion _____Queue
31. Techniques that allow the steps in the machine cycle to overlap ____Pipelining
32. MP3 do not require transfer rate more than.... _____64 Kbps
33. ___successfully relayed on communication paths having 40 Mbps Transfer rate._____ _____MPEG
34. CPU and main memory connected via....._____Bus
35. MP3 is short for..... _____MPEG layer 3
36. The best known system for compressing audio is..... _____MP3
37. The idea of storing a computer's programme in its main memory is called..... Stored program _____concept
38. CPU is designed to recognise institutions encoded as _____Bit patterns
39. Collection of instructions along with the encoding system is called ____ _____ _____Machine language
40. RISC stands for _____Reduced instructions set computer
41. A request to transfer the contents of a register to a memory cell is called..... _____STORE instructions

42. The commonly used standards for encoding and compressing audio and video were developed: _____**MPEG**

43. CPU consists ……..parts: _____**3**

44. The use of AND operation is an example of the process……..: _____**Masking**

45. 8Kbps=……: _____**1KB per second**

46. Communication between computer and other device is through apparatus called……: _____**Controller handling**

47. The ability of a controller to access main memory called…..: _____**DMA**

48. WAN is abbreviated of ……..: _____**_wide wire network**

49. The best known system of compressing audio is..... _____**mp3**

50. Mp3recording generally require transfer rates of no more than ------kbps. ____**64**

51. To compare sequence of picture in MPEG only some of the pictures called _ _____ _____**I – frame**

52. A machine CPU and main memory are connected by a collection of wires called? _____**Bus**

53. The idea of storing a computer's program in its main memory is called? ____ __ _____**Store data**

54. The now decode the content of its instruction register and executes its by activating the two's complement addition circulatory with inpits being register?_**5 and 6**

55. The use of AND operation example of the process called ?_____**Masking**

56. The result of circular shift is called? _____**Rotation**

57. Usb and Fire wire provide several? _____**Hundred Mbps**

58. Communication between computing device is handled over path? _____ ____ _____ __**Serial and parallel communication**

59. GbPS is? _____**Billion Bits**

60. The portion of an operating system that handles this communication is often called the _____**user interface**

61. Most file manager allow files to be grouped into a bundle called _____**folder**

62. A chain of directories within directions called ….. ..path _____**Directory**

63. Components of an operating system's kernel is the _____**memory manager**

64. The memory manger reserves of storage space on a magnetic disk _____**4GB**

65. Rom stands for _____**Read only memory**

66. Culprit that auditing systems are designed to detect in the presence _____ _____**sniffing software**

67. A network of former type is called …….. network _____**Open**

68. Computer network is often classified as: _____**All of these**

69. The technique of holding data for output at a later but more convenient time is called _____**Spooling**

70. A technique that transfer the distribution problem to internet routes __**Multi cast**

71. A programme that enter a computer system disguised as a desirable programmed ---------- _____**Trojan horse**

72. Transporting audio and video across the internet in real time is known as_____ ___ _____**Streaming**

73. If a user is using CGI script on a UNIX server, then the script type is called..... server side _____**scripting**

74. XML stands for _____**Extensible markup language**

75. OSI stands for _____**Open system interconnection**

76. 3… Is a software that infects a computer by inserting itself into programs that already reside in the machine _____**Virus**

77. ….is an autonomous program that transfers itself through a network, taking up residence in computer and forwarding copies of itself to other computer.__ ____Worm
78. Another form of malicious software is _____Spyware
79. Dos stands for _____Denial of service
80. Problem associated with an abundance of unwanted messages is the proliferation of unwanted email called. _____Spam
81. Prevention tool that has filtering connotation is the…..____Proxy server
82. SSL stands for _____Secure socket layer
83. Public key is used for ……messages _____Encrypt
84. Virus is executed in a computer _____Before execution of Host
85. Explosion of replicated copies that degrade the performance of legtimate application. This is property of _____Worm
86. Trojan can enter _____through games and utility package
87. Spyware also called _____Sniffing software
88. Process of overloading a computer with messages. _____DoS
89. Software that act as a shield to protection from adverse proxy server actions
90. Spam filter can distinguish between desired mail and spam _____True
91. Which key is required to decrypt messages _____private key
92. Computer Fraud and abuse act Cover _____ _____Theft of Information and worms and viruses
93. Repeaters passes signals between _____Two original buses
94. A bridge is similar to a _____Repeater
95. Peer-to-peer often abbreviated as _____P2P
96. _____ service allow clients to rent virtual computers by the hour, without concern for where the computer hardware is actually located. _____ _____Amazon's Elastic Compute Cloud
97. The distinction between the tier-1 and tier-2 ISPs is often a matter of opinion.___ _____True
98. An access ISP is essentially an independent internet, sometimes called _____Intranet
99. The process of using DNS to perform a translation is called _____DNS Lookup
100. VoIP is the abbreviation of _____Voice over Internet Protocol
101. An enormous portion of current internet traffic is used for transporting audio and video across the internet in real time, is known as _____Streaming
102. WWW is the abbreviation of World Wide Web _____True
103. A networking technology called _____which enables an end user to automatically connect to the closest server out of a defined group of servers helps to make CDNs practical _____Anycast
104. A second form of VoIP consists of _____Analog Telephone Adapters
105. The point at which one network is linked to an internet is offen called _____Gateway
106. Distributed system in which many independed computer work closely to gether to provide computation or service comparable to a mach larger machine? _____ _____Cluster computing
107. Each domain must be registerd with ICANN process handled by companies called? _____Registrars
108. DNS mean? _____Domain name System
109. Softwere packages that allow users to access hypertext on the internet fall into categories? _____Browsers and Webserver

110. Essentially a notational system by which a text document along with the document's appearance can be encoded as a simple text file _____**HTML**
111. Hypertext document also contain special symbol called? _____**Tags**
112. URL means? _____**Uniform Resource Locator**
113. Common Internet brewers include..... _____**Firefox, safari**
114. The distinction is that a hypertext document also contains special symbol.. _____**Tags**
115. A traditional hypertext document is similar text file because text is HTML - encoded..._____**source version**
116. HTM is essentially a notional system by which text document's.__**simple text file**
117.)Music is traditionaly reperseted does not conform the character by character..__ _____ ____**text file**
118. The additional activity by either the browser or the web browser.. ____**client side**
119. Then it hands these segment known .._____**Packets**
120. OSI standard for ..... _____**Open system interconnections**
121. Origin perpare a packet it appends a value called .. _____**hop count**
122. If two functins were performed 'PROCESS LOAN' AND ' REJECT APPRECIATION' what should be structure of problem _____**If-else method**
123. What should be sequenc _____**Problem-devise plan-carry plane**
124. Stepwise refinement is a strategy to conquere ___ at once _____**Task**
125. As a general rule the use of a loop structure produces.._____ _____ ___**higher degree Of flexibility**
126. A method of implementing repitition is the iterative _____**Loop**
127. Change the state in such a way that it moves towards the Modify termination___ _____ _____**condition**
128. In each iteration "i" the current value of "i" will..... _____ _____ **Multiplied With current value of "f"**
129. The control of a loop consist of how many activities _____**Three**
130. Repeat loop structure referred to as a _____**posttest loop**
131. If we reach the end of the list without finding the target _____**Failure value our search terminates as....**
132. In which collection of instructions called..._____**body of loop**
133. Write a___ for finding maximum number from a list.__ _____**pseudo-code**
134. The loop will keep executing until____ remains smaller _____**l or equal to n.**
135. Set of steps that define how a task is performed is called _____**Algorithm**
136. In Unambiguous, the information in the state of the _____**True**
137. A single algorithm can be represented in _____**Many ways**
138. The sentence, _____ could mean either that _____"Visiting the grandchildren cause problems when they come to visit grandchildren or that going to see them is problematic. _____**can be nerve racking"**
139. One semantic structure is the _____ of a computed _____**Saving value.**
140. Another common semantic structure is no any repeation _____**True**
141. In..... a man in Texas received very high radiations. _____**1986**
142. Which is not the advantage of software verification _____**None**
143. Computer can execute.....of instructions iin a second _____**Billions**
144. In general a recursive function is designed to test for the termination condition often called _____**Base ordegenerative case**
145. One method of implementing such repetition is the iterative structure known as: _____**Loop**
146. In which execution of function the tested condition we're true. ?? __**process loan**

147. select the entry in the list known as: _____**test entry**
148. A.....methodology progresses from the specific to the general : __**bottom up**
149. the collection of instructions called??_____**Body**
150. the loosely defined problem solving phases presented by the mathematicians G.polya in.....?? _____**1945**
151. Test for termination is performed before the body is executed in pretest loop:___ _____ _____ _____**True**
152. In insertion sort Algorithms lists are sorted out into: _____**alphabetical order**
153. IF our target value is not present in oriental list, our approach to search will proceed as: _____**By dividing into smaller segments**
154. Binary search executes each stage of a repetition as a subtask of the previous stage, known as: _____**Recursion**
155. A recursive function is designed to test for: _____ _____ _____**Degenerativee and base cas and termination condition (All)**
156. Which of the following is not true about firewall? _____**Firewall protects the entire network from inside intrusion.**
157. As we are dealing with two bits while adding them,there could be ---possibilities. __ _____**Four (4)**
158. We can represent 2^16 ----- numeric values. _____**65536**
159. The core of reverse engineering is an activity called _____**Extract abstractions**
160. ------- tag contains the information related to metadata that is not usually displayed on the webpage. _____**<head> </head>**
161. What is the ASCII code for alphabet “A” ? _____**65**
162. ----- operator will give us only those web pages in which the searched term appears in the title of the web pages. _____**Intitle**
163. The process of using DNS to perform a translation is called a -----__**DNS lookup**
164. ------ refers to distributed systems that are more loosely coupied than clusters but that still work together to accomplish large tasks. _____**Grid computing**
165. BOINC ia abbreviated for -------- _____ _____**Berkeley’s Open Infrastructure for Network Computing**
166. Each router maintains a -----that contains the router’s knowledge about the direction in which messages should be sent. _____**Forwarding table**
167. In CS, we store and link data in an organized way using--- ._____**DBMS**
168. Which of the following application may not be considered as network based application?_____ _____**Text editor application**
169. Which of the following technology is not related to the client side working? _____**Java applets**
170. It is the responsibility of transport layer to ; _____ _____**Determine the direction in which to forward packets**
171. Each Textual Symbol is represented with a ------pattern _____**Unique bit**
172. In insertion sort, how will the array of elements look like after second comparison? {34,8,64,51,32,21} _____**8,34,64,51,32,21**
173. First software for implementing the web was released in -------March,_____**1991**
174. If you are interested to search a query for a specific file type, you can include such ----- in query. _____**File type**
175. One of the best solution that no one can take your data from your computer. _____**Using password**
176. Which of the following tag has no ending tag in html? _____**
**
177. ------ indicates the location of the document within the host of system file._____ _____**Directory path**

178. N-unicast refers to; ____**One unicast stream by a sender to a single receiver.**
179. Which of the following is not the advantage to TCP over UDP? _____**Efficiency**
180. While structure starts with checking ------- . _____**Condition**
181. By starting the CPU first of all enters in -------- . _____**Privilege**
182. ------ is a short version of binary digit, a smallest unit to store data . _____**Bit**
183. Email is less time sensitive, so the mail servers use ------ to transfer email . _____**SMTP**
184. Which of the following is not a malware ? _____**Antivirus**
185. The term used for removing process form process table is called ----- process. _____**Dropping**
186. Most ----- codes today are Huffman codes. _____**Frequency dependent**
187. Which of the following language is used for client side scripting? ____**JavaScript**
188. ----- keyword is used in python language to define a word. _____**Def**
189. The node or PC which sends requests for services is callad ----_____**Client**
190. Computer hardware is the collection of -- **Physical parts of a computer system**
191. Someone can conclude that specifications of a software are met or not hy; _____**Requirement gathering**
192. Loop, is executed in a repetitive fashion under the direction of some _____ _____**_Control process**
193. ----- is abstract and distinct fron its representation _____**Algorithm**
194. The bit 0 represents the value false and the bit 1 represents the value. ____**True**
195. JPEG is mostly used for -------? _____**Large image compressing**
196. VoIP consists of two processes on different machines transferring audio data via the ------ model. _____**P2P**
197. In binary numbers, decimal point is known a ----- . -_____**Radix**
198. USB and Firewire several hundred ------- . _____**Mbps**
199. HTML supports ----- levels of heading tags. _____**Six**
200. Which of following is the correct sequence of network layers for the flow of message at the sender side? _____**Application layer to**
201. Releasing space in the ------can breaking the deadlock and allowing the remaining processes to continue their tasks. _____**Process list**
202. Computer hardware is the collection of - **_Physical parts of a computer system**
203. A pseudocode must have a consistent, concise notation for representing recurring ------ structure. _____**Semantic**
204. The process involved in a ------- is the copying the data rather than moving it._____ _____**Transfer instructions**
205. A process is called to be in ------- state if it can continus its progress. ____**Ready**
206. The most popular system for representing integers within today's computers is ----‘s complement notatation. _____**Two**
207. In Background insertion sort algorithm works on ------ code _____**ANSI**
208. Distinction between program believed to be correct and the program that is correct is ;_____**Software Verification**
209. Polya's analysis of problem solving is to evaluate the solution for Polya's analysis of problem solving is to evaluate the solution for ; _____**Accuracy**
210. A ----- methodology progresses from the specific to the general. ____**Bottom up**
211. Repeated erasing slowly ------ the silicon dioxide chambers. _____**Damages**
212. Each on-demand stream is effectively ----- from a mrdia server that stores the content to the end user that wishes to retrieve it. _____**Anycast**
213. Which register contain the address of the next instruction? ___**Program counter**

214. Most computers manufactured today used at least ----- for storing values in floating-point notation instead of 8 bits we have used here. _____**32 bits**

215. If a client want to execute some scripts at the server end and server start executing the script blindly, this may cause. Security concern on both server and the_____ _____**client side**

216. If you want to search for an exact phrase on Google than enclose it in ---__ **@**

217. While preforming the process ----- compares each memory reference to registers to ensure that the reference is within the designated limits _____ **The CPU**

218. The originator of a message can encrypt the message using the --.__**Private key**

219. CPU and RAM are connected with ------ to communicate with each other. _____**BUS**

220. You can search images even by giving a query of another image using Google image -------. _____**Link**

221. Computer Fraud and abused act passed in _____**1984**

222. Which of the following is the variation of firewall? _____**Spam filters**

223. Which of the following is the component name of iterative structure in which initial state is established. _____**Modify**

224. Sequential search involves a circular form of repetition, the binary search executes each stage of the repetition as a subtask of the previous stage ---- known as_____ _____**Recursion**

225. Which of the following case does not exist in complexity theory? _____**Null case**

226. ----- tells how many places are required to move radix point. ____**Exponent field**

227. Another cause might be that the signals from the different machines are blocked from each other by objects or distance even though they can all communicate with the central AP (a condition known as the) _____**Hidden Terminal Problem**

228. The computers of the __were not very flexible or efficient. ____**1940s and 1950s**

229. The binary search algorithm uses…….____**Divide and conquer method**

230. www stands for----- _____**World Wide Web**

231. What does FTP stands for _____**File Transfer Protocol**

232. Three-dimensional interfaces allow human users to communicate with computers by means of. _____**3D projection systems**

233. A negative exponent would mean to move the radix to the----- _____**Left**

234. CD (CD) stands for ----- . _____**Compact Disc**

235. ------ loop structure refers as a pretest loop? _____**While**

236. In which type of communication several signals are transferred at the same time, each on a separate line? _____**Parallel**

237. MIME protocol is ------- . _____ **An extension to**

238. SMTP for_____ **Multimedia messaging support**

239. Email is less time sensitive, so the mail servers use ___ to transfer email.__**TCP**

240. Each router maintains a _____ that contains the router's knowledge about the direction in which messages should be sent.___ _____**Forwarding table**

241. The _____ in the state of the process must be sufficient to determine uniquely and completely the actions required by each step. _____**Information**

242. Due to the volatility and limited size of a computer's main memory, most computers have additional memory devices called ------- ._____**Mass storage**

243. When applied to a list with n entries, the sequential search algorithm will interrogate an average of ------ entries _____**N/2**

244. The repetitive use of an instruction or sequence of instructions is an important algorithmic concept. One method of implementing such repetition is the iterative structure known as the ----- . _____**Loop**

245. <a> is called the _____ tag in HTML document. _____**Anchor**

246. Let a list Fred, Alex, Diana ,Byron ,Carol. After sorted first sublist our list would be _____**Alex, Fred, Diana ,Byron ,Carol**

247. ------- is a malware which gathers data about your activities on the system and forwards it to the outside party without your consent. _____**Spyware**

248. In binary Notation 11111111 is ----. _____**255**

249. Who introduce the idea of storing the program in main memory? _____ _____**John Von Neumann**

250. If the bit sequence 0001 0111 is subjected to a circular shift of one bit position to the right would generate: _____**1000 1011**

251. You might search the followings or similar thing and might get unpleasant results which might depress you. _____**Skin Condition**

252. One is that a CPU should be designed to execute a minimal set of machine instructions. This approach is called a ----- ._____**RISC**

253. While searching weather we will simply add _____ _____ **The location with the word "Weather""**

254. P2P model based streaming approach is preferred over Nunicast because; _____ **It supports more unicast streams than N-unicast**

255. One of the major uses of the ---- operation is for placing 0s in one part of a bit pattern while not disturbing the other part. _____**AND**

256. The efficiency of ----- makes it the protocol of choice for DNS lookups and VoIP._____ _____**UDP**

257. Avoid searching the following----; _____**Pressure cooker bomb story**

258. On Social media, sometimes, a particular-----is very popular. _____**Hash tag**

259. By attaching----- signature to a message, the sender can mark the message as being. _____**authentic Single signature**

260. The binary of 8 in 2's complement notation will be 1000, what will be the binary of -8? _____**1000**

261. The------ divides long messages into small segments, which are transmitted over the Internet. _____**Transport layer**

262. By using 16 bits in 2's complement notation how many maximum positive number can be represented . _____**32768**

263. What does MIDI stand for? _____**Musical instrument digital interface**

264. Binary notation is a way of representing numeric values using only the ------- . _____**Digits 0 and 1**

265. In which type of communication several signals are transferred at the same time, each on a separate line? _____**Parallel Communication**

266. ------ connects computer over a large geographical area or world. _____**WAN**

267. Internet is a type of ------- . _____**Network**

268. Appearance of each pixel is encoded to form ------ . _____**Bitmap**

269. . ------refers to the address of a file (resource) accessible on the Internet. _____**Uniform Resource Locator (URL)**

270. User can see directories or files by using----- . _____**Window explorer**

271. Problem-solving phases presented by the mathematician ------ in 1945. _____ _____ __**G. Polya**

272. In a general-purpose computer, a program called the----- is permanently stored in the machine's ROM. _____**BOOT loader**

273. JPEG is mostly used for-------? _____**Photography industry**

274. We have cleared off enough space for the cards but are not allowed to push additional materials back to make more room. The restriction is in ------- ._____ _____ _**Computer applications**

275. Quantity associated with each position is _____ the quantity associated with the position to its right. _____**Twice**

276. The loudness of sound varies directly with the vibrating.____ _____**Amplitude**

277. The set of tasks that ensures the software is correctly implements a specific function is known as _____**Validation**

278. Computer science has made hacking bank account:_____ ___**Possible**

279. Once an intruder (or perhaps an authorized user with malicious intent) gains access to a computer system, the next step is usually to explore, looking for information of interest or for places to insert _____?_____**Destructive software**

280. Which of the following techniques is used to place the bit in the hole at the left end if it fell off the right end?_____ **Circular/rotation shift**

281. The instruction code to halt machine cycle is _____ **C000**

282. Most computers manufactured today use at least ____ for storing values in floating-point notation._____ **32 bit**

283. Pre written mathematical expressions or formulas are _____**called symbols.**

284. With computer science the access to private information has_____ **Increased.**

285. Proofing group is in which ribbon of MS word _____**Review.**

286. Which one of the following is a robot used in medical field _____**Belgian robot.**

287. Learning procedural knowledge usually involves a process ___**Trial-and-error.**

288. The fifth group in the home ribbon is the _____**Editing**.

289. Pages is an option in the ribbon_____ **Insert.**

290. Undo I used by_____ **Ctrl+z.**

291. The turing test result of program DOCTOR developed by Joseph weizenbaum was_____ **passed.**

292. The communication between people because of computer science has _____**Improved.**

293. The amount of paper American use in a year is_____ **85 million tons**.

294. Attacks that can be made to prevent access to websites_____ **DDOS.**

295. In context of health, computer science have impacts both _____**possitive & negative**.

296. Matching geomartric characteristics technique cannot read_____ _____ **Handwritten material.**

297. Find option includes _____**Go to.**

298. A track that leads to a simulaion oriented methodology_____ **theoretical.**

299. In Belgian pepper robot works **in** _____**Hospitals**.

300. American throws away pieces of paper each year which is equal **to** _____ _____ _____**1 billion trees.**

301. Social sites includes_____ **Twitter**.

302. Style group in MS-word can have _____**shading**.

303. In the united states the privacy act of 1947 was to protect citizens from abusive use of dadabases _____**Government.**

304. Procedural knowledge is learning _____**"how".**

305. Requiring certain degree of uniformity of the style, size and orientation of symbols is a(n) _____**Disadvantage**.

306. Shortcut key of cut **is**_____ **ctrl+x.**

307. The option of bullets is in group _____**Paragraph.**

308. A_____isa file that is accessed in a serial manner from its beginning to its end as through the information in the file _____**sequential**

309. Each time a process finishes task the operating system either allocates the recourse to a waiting process or, if no process is waiting, it ___the flag._____ **Clear**

310. How many steps does a machine cycle generally have?_____**3**

311. Search Engines can search _____ type of information. _____ _____**Documents,Images,videos**

312. For Sequential Search Algorithm technique, it is _____ **to be list as sorted in alphabetic order in case of names list.**

313. In Computer, GUI stands for _____ **Graphical user interface**

314. Which kind of server works as an intermediate between the client and server.__ _____**Proxy server**

315. When you type a query in the search bar of google. Google finds all those pages which contains_____**. All the terms given in the query**

316. In binary notation, we can represent _____ numbers if we have n bits._____ **2n**

317. A single algorithm can be represented in _____ way(s)._____ **Many**

318. Which of the following language is used for client side scripting?_____ _____ _____ **JavaScript**

319. To store an image in the memory, appearance of each pixel is encoded to form_____._____ **Bitmap**

320. _____is transfer data one after the other. _____**Serial communication**

321. _____ contains the information needed by a browser to contact the proper server and request the desired document._____ **URL**

322. The large fictional memory space created by paging is called:___ **Virtual Memory**

323. Basic arithmetic operations are _____. **(+,-,*, /)**

324. Which program do you use to create a spreadsheet_____ **MS Excel**

325. Robots can be guided by_____ **An external control device or the control may be embedded within**

326. A _____ transport layer is said to establish a connection before sending a message._____ **TCP**

327. UDP is a protocol used for communication; the full form of UDP is _____ _____. **User Datagram Protocol**

328. The architecture philosophy with which a CPU is designed to execute a minimal set of machine instructions is called _____. **RISC**

329. The control of a loop consists of the _____ activities._____**3**

330. Which of the following is a significant asset to a computer's performance?_____ **Direct Memory Access (DMA**)

331. A company can develop _____**for which it chooses to maintain** ownership rights._____ **Proprietary systems**

332. Who introduced the idea of storing a program in main memory?_____ _____ **John Von Neumann**

333. Pixels (picture element) are_____ **Collection of dots**

334. The connection between networks to form an internet is handled by devices Known as _____Router

335. The search results that are generally presented in a line often referred as_____. _____**Search Engine Results Pages**

336. _____ is a table used in GIF that can hold up to 256 distinct colors from RGB color space._____ **Palette**

337. Each router maintains a _____ that contains the router's knowledge about the direction in which messages should be sent._____ **Forwarding table**

338. A _____ methodology progresses from the specific to the general._____ _____**Bottom up**

339. Using MPEG techniques, video presentations can be successfully relayed over communication paths that provide transfer rates of._____ **40 Mbps.**

340. The process of dynamically allocating tasks to the various processors so that all processors are used efficiently is known as _____ **Scaling**

341. Which of the following are the graphical objects used to represent commonly used application?_____ **Icons**

342. In binary system, we can use only __or ___at each position. _____**0-1**

343. The small segments of long messages in terms of computer network are called _____. _____**Packets**

344. Scheduler maintains a block of information of all processes in main memory in _____table _____ **Process**

345. The node or PC which sends requests for services is called_____ **Client**

346. Approximately how many entries a typical dictionary in a word processor can contain_____25,000 entries

347. encoding 160. What is the full form of PHP__ _____Personal home page

348. Using MPEG techniques videos presentation can be successfully relayed over communication paths that provide transfer rates of_____40 Mbps

349. The extent to which air particles are displaced is called __ of sound. __**Amplitude**

350. Repeated erasing method in flash drive technology slowly _____the silicon dioxide chambers. _____ **Damages**

351. Most _____ codes used today are Huffman codes.___ **Frequency-dependent**

352. The sum of seek time and rotation delay is called as_____. **Access time**

353. Which protocol is used to connect to news servers and transfer news articles between systems?_____ **NNTP**

354. Sequential search involves a circular form of repetition; the binary search executes each stage of the repetition as a subtask of the previous stage known as ___ _____**Recursion**

355. Which protocol is suitable for wireless star networks?_____ **CSMA/CD**

356. What is the name of the ability of a controller to access main memory?_____ _____**Direct memory access DMA**

357. Each Textual Symbol is represented with a _____ pattern. _____**bit**

358. Which of the following technology is not related to the client side working?)

359. One bit can contain only _____ value. _____**Two**

360. Software packages that allow users to access hypertext on the Internet are called _____. **Browsers**

361. As a general rule, the use of _____ produces a higher degree of flexibility that would be obtained merely by explicitly writing the body several times._____ _____ **Loop structure**

362.

Quiz no 2

1. Float CGPA=2.5;
   If (CGPA>=3.0)
   Cout<<"Give Scholarship";
   Else
   Cout<<"Sorry you do not qualify for the scholarship";
   It will show output_____ **Sorry you do not qualify for the Scholarship**
2. The imperative paradigm, also known as the Particular machine____ **Procedural paradigms**
3. Stakeholders can be a_____ **Government agencies**
4. n C++, symbolic representation of "Assignment" operator is _____._____ **=**
5. If the result after comparison of two variables in relational operators is False, then if statement returns value _____**0**
6. _____is the field of engineering that deals with designing system's interfaces by considering the humans physical abilities._____ **Ergonomics**
7. How many choices are possible when using a single if-else statement?_____**2**
8. In _____ paradigm, task of programmer is to develop a precise problem statement rather than designing an algorithm for solving the problem._____ **Declarative**
9. _____is the field of engineering that deals with designing system's interfaces by considering the humans mental abilities._____ **Cognetics**
10. Accuracy can be achieved with the help of testing the result of _____ in the entire development process._____ _____**Each intermediate step**
11. The traditional development phase of the software life cycle does not include the stage___ _____**Maintenance**
12. The Incremental Model can be equated some times with the _____Model._____ **Iterative**
13. What is the output of the following code?
    int sum =7;
    if (sum >= 20)
    cout<<"You win ";
    if (sum < 20)
    cout<<"You lose ";._____
14. Week cohesion is also called as _____cohesion._____**Logical**
15. The conceptual shape or arrangement of data is known as_____ **Data structure**
16. In the case of highly standardized languages, compiler designers often provide features, sometimes called_____ **Language extension**
17. Which intermodal coupling occurs when a module passes control of execution to another, as in a function call?_____ **control coupling**
18. Which one of the following groups control and enforce the quality control systems._____ **SQA**
19. The language understood by a computer without translation is known as:_ **Machine Language**
20. Which of the following is not a relational operator in C++?_____ **%=**
21. Which of the following language is related to Object Oriented Paradigm._____ **LISP**
22. Which of the following symbol is used to represent Boolean operator for logical AND?_____ **&&**
23. An alternative to translators_____ **Interpreter**
24. From a lay- person's perspective, design is often equated with_____ **What**
25. How many relational operator are offered by C++?_____**6**
26. The set of instructions in a computer language, to get the desired result is known as:_____ _____ _____ **A program**
27. The description of the object's properties is called_____ **Class**
28. The Manufactured Product moves into Maintenance phase for _____ . **Repair process**

29. _____ gives the invertor certain rights to forbid others from selling, making, using and importing his or her invention for a limited period of time._____ **Patent**

30. _____is not a phase of SDLC._____ **Problem Identification**

31. _____ Model allows the development process only in one direction._____ **Waterfall**

32. Third generation language attributes refer to_____ **Particular machine**

33. _____ phase is followed by Implementation phase of Software Life Cycle._____ _____**design**

34. Which one of the following is the traditional approach of programming process?_____ _____ __ **Imperative Paradigm**

35. A---------- alters the execution sequence of the program_____ **Control statement**

36. We use _____ to reduce unnecessary dependencies or effects on other modules._____ _____**information hiding**

37. Control structure which iterates a set of instructions based on the provided condition, is called a _____. **Loop**

38. _____ is a phase that makes distinction between the tasks of a software Analyst and a Programmer.____ _____**Implementation**

39. Recurring problems which are handled by the pre developed module in software design is called_____. _____**Design Pattern**

40. 5%2 would give_____**1**

41. Which one is a unary operator?_____ _____**not**

42.

Quiz no 1

1. In the case of incremental model these prototypes evolve into the complete , final system , a process known as : ……_____**Evolutionary prototyping**

2. Which of the following might be used to convert high level languages instructions into machine languages?_____ _____**An interpreter**

3. In modern computer applications , problems are more easily solved the context of :_____ ____ _____ _____**Parallel processing**

4. Which software testing refers to test that do not rely on knowledge of the software interior composition?_____ _____**Black box testing**

5. The imperative paradigm also known as the particular machine_ __**Procedural paradigm**

6. waterwaln ……. Paradigm task of programmer is to develope a precise problem statement rather than designing as algorithm for solving the problem.___ _____**Object oriented**

7. In C++ symbolic representation for equal to relational operator is ……_____**==**

8. Which one is not a valid data type ?_____**HTML**

9. Which of the following symbol is used at the end of the line to separate statement in many imperative languages._____**;**

10. The symbol for using && is_____**Cmd && cmd2**

11. Which phase provides a road map for the following developers durin project planning?__ _____**System analysis**

12. Which of the following is the contrast of the declarative paradigm ?_____**Object oriented**

13. …….. Is aimed to give detailes explanation about the use and features of the software.__ __ _____**documentation**

14. Software engineering is an engineering discipline that is concerned with :_____ _____- _____**All aspects of software production**

15. …… refers to data items that can take on only the values true or false .____ ____ _____**Boolean**

16. In object oriented paradigm each object will have its own collection of functions which is known as :_____**Methods**

17. Writing programs in a machine languages is a tedious task that leads to error that must be located and corrected ._____**Debugging**

18. In structural chart functions are represented by ……..._____**Arrows**

19. In assembly language, the instructions like MOV or ADD are called as _____ **OP-Code**

20. In modern computer applications, problems are more easily solved in the context of:_____ _____**Parallel processing**

21. The sign of modulus is_____**%**

22. Writing programs in a machine language is a tedious task that often leads to errors that must be located and corrected_____ **Debugging**

23. What will be the output of the following statement?int a = 10 + 4.867;_____ **14**

24. _____ are generally used for the creation of loosely coupled systems._____ _____ **Factory Design Pattern**

25. Under _____ paradigm a program is viewed as an entity that accepts inputs and produces outputs._____ **Functional**

26. _____ are the sophisticated software packages that are primerly designed for the software engineering environment. _____ **EDI's**

27. In which of the following paradigms, a program is constructed by connecting smaller predefined program units._____ **Functional paradigm**

28.

QUIZ NO 2

FINAL TERM

1. Attacks that can be made to prevent access to web sites:_____ _____**DOS**
2. Softwarelicensesprovideendusers withtherighttooneormorecopiesofthesoftwarewitho ut _____**violating copyrights**
3. Learning procedural knowledge usually involves a process_____:**Trial-and-error**
4. Which of the following is a robot used in medical field_____:**Belgianrobot**
5. Shortcut to select the whole text in a document_____:**ctrl+A**
6. Editing group have commands:_____**3**
7. Matching geometric characteristics technique cannot read:**Handwrittenmaterial**
8. Content filtering is used to implement company policies related to:_____**informationsystem**
9. Thelocationthatisusedtotemporarystoretheinformationthathasbeencutfromsomewher e:_____ **Clipboard**
10. A**sequential file**is a file that is accessed in a serial manner from its beginning to its end as though the information in the file were arranged in one longrow.
11. Arrange Group is in which ribbon of MS Word?_____**PageLayout**
12. Justify option is used to give spaces to the paragraph on left and rightside:**equal**
13. Shortcut to insert a new comment in MS word is:_____**Shift+F2**
14. The people present around the e-waste gain_____**diseases**
15. The field of Artificial intelligence is being pursued along paths_____:**2**

16. People are working in sitting position and thushave more chance to develop_____:obesity
17. Privacy is the "right to be let alone" is written by_____:Samuel D.Warren
18. The shortcut key that **Track Changes** is_____Ctrl+Shift+E.
19. Information that was once buried in arcane records has become accessible_____.database
20. In the United States is the Privacy Act of 1974 whose purpose was to protect citizens from abusive use of databases_____:Government
21. Wanttore apply a command,you can use: _____Redo
22. Displaying text in two columns feature is in which tab of MS word_:Pagelayout
23. here are many types of sensors:_____All of these(microphones, cameras, rangesensors)
24. Electronic Theft include_____:onlinescam
25. How many common forms of data mining?_____2(class description and classdiscrimination)
26. Text files, whichare _ _____in which each logical record is a single symbol encoded using ASCII or Unicode._____sequentialfiles
27. Actions according to environment knowledge:_____Intelligentaction
28. Ribbon has types of Commands:_____ _____Three
29. Plagiarism is a major problem in_____ ____:Education
30. Data comes from:_____All of theabove
31. OSI stands for:_____ Open System Interconnection
32. Internet is a type of _____ Network
33. Whichofthefollowingactsasasecurityguardbetweentheinternetandyourlocalarean etwork: _____Firewall
34. Ctrl+y is used for_____:Redo
35. Ctrl+z is used for_____:Undo
36. Process of understanding what the characteristics of images is step_____:two
37. Researchers are trying to develop systems that exhibits intelligent behaviorin_ ___track: _____Engineering
38. The option of justify is in group:_____Paragraph
39. The option of bullets is in group_____:Paragraph
40. The option of strike through is in group_____:font
41. Hyperlinks have by default color:_____Blue
42. Format painter is in group of:_____Clipboard
43. Process of understanding what the characteristics of images means refer to:_____Imageanalysis
44. Undo is used by_____:Ctrl+z
45. In Belgian Pepper Robot works in:_____Hospitals
46. The part where different bullets options are given is called:_____Bulletlibrary
47. Software licenses are:_____All of these (proprietary, free, opensource)
48. Proofing Group is in which ribbon of MS word?_____Review
49. Word provides you preformatted text boxes through:_____textbox
50. The amount of paper American use in a year is:_____85 milliontons
51. One method that got onsocial media is the idea of a parent/child cell phone_____:Contract
52. Pages is an option in the ribbon:_____Insert
53. When we draw a table in MS word the table have Initial column(s):_____one

54. A patent can last:_____20years
55. Content filtering works by matching_____of characters_____:strings
56. Proceduralknowledgeislearning:_____"How"
57. Declarative knowledge is learning:_____"what"
58. We can add charts in MS word from group_____:Illustrations
59. Illustration is part of ribbon_____Insert
60. Shortcut to insert end note_____Ctrl+Shift+D
61. Shortcut to insert footnote_____Alt+Ctrl+F
62. major component of syntactic analysis is _____parsing
63. The test that matches will have a chance to pass to Turing was of___5minutes
64. Each statement in a natural language can have_____multiplemeanings
65. Shortcut key of paste is _____Ctrl+v
66. Meaning of a statement in natural language depends on its_____context
67. Copyright can be applied on__All of these(dramatic works, artistic and musical works)
68. Content Risks include_____HarmfulAdvice
69. Information security Risks include_____ M alicious code
70. To select shapes that are hidden or behind the text we can click_____Selectobjects
71. We have paste options_____Multiple
72. Font group includes options_____All of these(Typefaces, Highlight, fontsize)
73. Attacks can be made to prevent access to websites by crashing_____Servers
74. Paragraph group have option_____Shading
75. Arial is a famous type of_____fontfamily
76. Sometimes when a device is continuously running it damages us by_____Radiations
77. In some cases, the data collection process is readily apparent; in others it is_____subtle
78. Usual way of protecting software is _____:Copyright
79. When we apply header it is shown at:_____Every page of thedocument
80. Programming languages are well-designed so that each statementhas _____ meaning:_____Onlyone
81. AI is helping to make_____Robots
82. We have to write an equation with 2 as a number and 3 as its power. Which option can be used for this purpose_____:Superscript
83. In context of environment, computer science have impacts:_____ _____ Both positive &negative
84. Shortcut key of Cut is_____:Ctrl+x
85. Paste option is a part of home ribbon group called:_____Clipboard
86. The communication between people because of computer science has:_____improved
87. Eye for long amount of time is not meant to look_____:2D
88. Home ribbon contains groups_____ :All of these(Paragraph, Font,Clipboard)
89. We can highlight a text from group_____:font
90. Microsoft office includes:_____word
91. MS Word is an example of:_____word processors
92. Content filters are part of Internet_____:firewalls
93. The default theme of MS word is:_____Office
94. Table group is a partof_____ribbon._____Insert
95. We can decrease indent from group_____:Paragraph

96. Insert tab can have group_____:Pages
97. If we want to end a page at a specific point and move to the next page we can use:_____Page break
98. Computer science helps in faster response times through____:All of the given
99. Access to the forbidden literature because of:_____Computer
100. Style groups in MS word can have:_____Shading
101. Data can come from:_____All of these(Emails, Personal software,Passwords)
102. Gaming addiction can cause problems:_____Financial
103. Content filtering is serving for purpose of_____:All of these(Security, Socialism, Transaction)
104. The style group in the home ribbon is the_____:Fourthgroup
105. We can set line spacing from group_____:Paragraph
106. Self-driven cars are example of:_____AI
107. Legal notations to control digital ownership are:_____Copyrights
108. The fifth group in the home ribbon is the:_____Editing
109. Find option includes_____:All of these(Find, Advance find, Goto)
110. Shortcut key to select whole text in a document_____:Ctrl+a
111. The Turing test result of program DOCTOR developed by Joseph Weizenbaumwas:_____Passed
112. With computer science the access to private information has:_____Increased
113. Pre written mathematical expressions or formulas are called_____:Symbol
114. In turn the collected information is potentially available to:_____ _____all of these (marketing firms, political parties,employers)
115. The field of linguistic tends towards which direction_____:Theoretical
116. CAN-SPAM Act applies in:_____US]
117. Data mining ispracticedon__data collections, called data warehouses__.Static
118. Easy access to online health centres is because of_____ :ComputerScience
119. Theoretical track is a part of:_____Aldomain
120. The__approach leads to a simulation-oriented methodology_____.Theoretical
121. The__approach leads to a performance-oriented methodology.___Engineering displays the document as it would appear if printed and is the default view._____PrintLayout
122. A___is a specially formatted letter that appears at the beginning of a paragraph just like you see in newspapers or in books._____dropcap
123. are a way to keep track of reading._____Bookmarks
124. **Which excess notation is used to represent 100 as Zero?_____**Excess 4
125. Page group includes options: _____cover page
126. A mark or any other distinctive sign associated with products is called: _____Trademark
127. We can customize indentation with_____:Ruler
128. FTP ---------could check all incoming files for the presence of known viruses and block all infected files. _____ Proxy server
129. Which is less time sensitive, so the mail servers use ------to transfer email? _____SM TP
130. Which is correct format to find out a value from any given list? _____Search()
131. Which excess notation is used to represent 10000as zero**?** _____ Excess 16.
132. A clear flag state indicates that resource is? _____Allocated.
133. <a> is called the --------- tag in HTML document? _____ANCHOR

134. While adding bits, there could be _____ possibilities. _____ 3
135. Post test loop structure refers to? _____ REPEAT
136. RISC is abbreviation of?_____ **Reduced Instruction Set Computer**
137. The set of tasks that ensures the software is correctly implements a specific function is known as?_____ VERIFICATION
138. Which of the following is one of the major drawbacks of Skype? _____ BB
139. The repetitive use of an instruction or sequence of instructions is an important algorithmic concept. One method of implementing such repetitions is the iterative structure known as the --------? _____ **Loop**.
140. Stepwise Refinement is -------Methodology in that it progress from general to specific. _____ **Bottom up**
141. A private key is used to ----------messages. _____ **Encrypt**
142. The bit 0 represents the value of false and the bit 1 represents the value _-**true**.
143. A directories can contain other directories called subdirectories constructed._____Hierarichal organization.
144. By using 16 bits were used to store 2's complement notation, maximum number represented was _____ **32,768.**
145. Generally how many steps a machine cycle have**?** _____ **3**
146. What is the full form of JSP? _____**Java server pages**
147. ----- is also known as character. _____**space**
148. The memory manager allocates____?_____ **Memory space**
149. Establishing a well-defined set of building blocks from which algorithm representation can be constructed. Such building blocks are known as._**Primitive.**
150. Process is a -------- activity**.** _____**Dynamic activity**.
151. **-----** Loop structure referred to as a posttest loop**.** _____**Repeat**.
152. Digits on left side of point represent file. _____**Whole numbers**.
153. You can uses -------- search engine for searching images, movies, games or educational content. _____ **GOOGLE**.
154. What does MIDI stand for**?**_____ **Musical Instrument Digital Interface**
155. TLD stand for--------_____.**Top level Domain**.
156. The device that is used to store data is called**.** _____**Storage devices**.
157. Which of these describe stepwise refinement**?** _____**Top down approach.**
158. **-----** refers to distributed systems that are moreloosely coupled than clusters but that still work together to accomplish large tasks. _____**GRID COMPUTING**.
159. **-------** is used to store colorful images._____ **PGB**.
160. User can see directories or files by using----------. _____**Window explorer**.
161. -------- was the first to implement the web._____ **Tim Berners-Lee**.
162. 0011+0010**=** _____ **0101**
163. Cloud computing services provide reasonable guarantees of _____ and _____. _____**Scalability, Reliability**
164. By starting the CPU first of all enters in _____**mode**
165. A Program that is believed to be correct and the program that is correct. The two are ----- _____**not necessarily same**.
166. ----- is a short version of binary digit, a smallest unit to store data._____ **Bit.**
167. The set of tasks that ensures the software is correctly implements a specific function is known as._____ Verification
168. In _____ the operating system may be copied from a distant machine over a network._____ **Small workstations**
169. In SD card technology, SDHC (High Capacity) can provide _____ GBs of storage._____ **32**

170. In excess notation -------of bits to represent each value._____ fixed number
171. MPEG – successfully relayed on communication paths having 40 Mbps transfer rate.
172. Bit is a ------. _____Basic unit of storage.
173. Which of the following is the component name of iterative structures in which initial state is established?_____ Initialize.
174. When application wants to display anything on screen, it notifies the _____ _____windows manager.
175. Which type of register is used in program execution? _____Special purpose.
176. ----------can storeunique pattern of 21 bits. _____Unicode
177. ----------could check all incoming files for the presence of known viruses and block all infected files. _____ FTPproxy server
178. After fetching instruction will be decoded and_____executed.
179. -------- is used to store colorful images. _____RGB
180. The process involved in a_____ is like copying the data rather than moving it._____ Transfer instruction
181. _____ is a package containing a party's name and that party's public key. _____Certificate
182. UTF-8 uses 24 to -----bits. _____32.
183. The process involved in a ------- is like copying the data rather than moving it. _____Data transfer group.
184. --produces the output as 1 when both of the inputs are 1._____ AND.
185. Instruction Register: Holding instruction._____ Being executed now.
186. 27 combinations= _____128.
187. Programs were part of the_____ _____CPU.
188. Binary notation has two following representation._____ Two's Complement.
189. Which of the following is not the form of existing VoIP systems? Hard Phones.
190. --------could be stored in 16 bits. _____99
191. Computer Science establishes set of building blocks from which algorithm can be constructed; such building blocks are known as_____ primitive.
192. In CS, we store and link data in an organized way using. DBMS
193. Each Router Maintains the----------: directions in which messages should be sent based on destination. _____Forwarding Table
194. Controller can connect through a connector that is called?_____ Port
195. Charles Babbage invited the --------- technology. _____Punch card.
196. An example of------ technique is consecutive frames of a motion picture? _____Relative encoding.
197. Subtraction can be simulated by addition and negation like in _____2's complement notation.
198. Non terminating expansions may also be a source of -------? _____Truncation error.
199. The loudness of sound varies directly with vibrating. _____AMPLITUDE
200. In binary notation 11111111 is =_____255.
201. One kilobyte contains ----- bytes. _____1024
202. operating system is called: _____initialize
203. A long string is often called a------_____-ANSII STRING.
204. Instant messaging in which people carry on a written conversation over the internet?_____ Peer-to-peer.
205. In which type of system the operating system is copied from special flash nonvolatile memory._____ Electronic.

206. George Boole invented the ------- operation. _____Boolean
207. Search engine can search ------- type of information._____ all
208. Another problem that can arise during resource allocation is? _____Deadlock.
209. A pseudo code must have a consistent, concise notation for representing recurring ------structures?_____ SEMANTIC.
210. OR operator is also represented by ------sign._____!
211. There are ----- basic Boolean operations? _____4
212. Google drive is an example of?_____ Cloud computing
213. Which of the following case does not exist in complexity theory? ____Null case.
214. When applied to a list with n entries, the binary search algorithm will interrogate an average of ----- entries?_____ N/2.
215. If 15 are divided by 5 using repetitive subtractions, how many steps it involves? _____2.
216. First software for implementing the web was released in? _____SEP 1990.
217. Bits can represent in chip as? _____0,1 form
218. ANSI stands for----------? _____American national standards institute.
219. Which register contains the address of the next instruction?__ Special register.
220. Printer is an ------ device? _____output
221. Algorithm for finding binary representation of a positive Decimal number contains ------ steps. _____three
222. ------ is used to detect and remove the presence of known viruses and other infections._____Antivirus.
223. One of the major uses of the -------operation is for placing files 0s in one part of a bit pattern while not disturbing the other part. _____AND
224. -------is a form of magnetic system?_____ HARD DISK.
225. The CPU can send requests encodes as-------- to the controller. ___Bit pattern.
226. In main memory each cell has unique --------address. _____cells
227. To control access to printer, the ----must keep track of whether the printer has been allocated? _____Operating system
228. While (_____): here what will be written?_____function
229. UDP is protocol used for communication; the full form of UDP is_____?_____**User Datagram protocol**
230. What is the full form of ASP? _____ACTIVE SERVER PAGE
231. Using ---------, you can search images even by giving a query of another image?_____Dedicated web link.
232. What is the full form of CGI? _____gateway interface Common
233. One of the earlier computing device was the? _____Abascus
234. FIFO is abbreviation of? _____First in First out
235. ------ is a shift operation technique that is to place the bit that fell off the right end in the hole at the left end?_____ Arithmetic shift.
236. What does HTTP stand for? _____HYPERTEXT TRANSFER PROTOCOL
237. The efficiency of ------ makes it the protocol of choice for DNS lookups and VoIP? _____TCP
238. An interrupt converts the CPU to privileged mode and transfers control to---------.._____ Interrupt handler.
239. A program logic written in an ordinary language a structure similar to computer instructions is known as?_____ Pseudo codes
240. ENIAC stands for? _____Electronic Numerical Integrator and Computer
241. The application layer uses the -------to send and receive messages over the internet. _____Transport layer.

242. ---------is the most demanded job in U.S. _____Software
243. Pseudo code is language._____ Algorithm.
244. After how long we should take the sample depends on how --------definition sound recording are required. _____ Accurate and high.
245. If you want to search within the range of number, you can use? ____**Two dots.**
246. GIF can obtain compression by using adaptive dictionary system which technique is used by adaptive dictionary system for this purpose?_____**LZE**
247. In binary addition **1+0=**_____**1**
248. The dispatcher allocates------? _____**Time slices.**
249. The ------- in the state of the process must be sufficient to determine uniquely and completely the action required._____ **Information.**
250. ASFII code for Alphabet ''A''?_____ **65**
251. _____ not valid IP address_____ **__ 192.168**
252. the simplest form of array is the ……array._ _____**one-dimensional**
253. a____ array consist of multiples rows and columns in which position are identified by pairs of indices._____ **two- dimensional**
254. columns in a relation are referred to as_ _____**attributes**
255. the point at which all the steps in a transactions have been recorded in the log is called the _____**commit point**
256. we can insert preformatted text through_ _____**text box**
257. what will be the output of the following excel formula? If A1=4,B1=6,C1=2__**18**
258. using illustractions group we can add___ _____**shapes**
259. table templates can be added through__ _____**insert table**
260. which of the following is not a type of page margin in MS word_____**centre**
261. a good presentation slide should have maximum how many points_____**3**
262. we can have an equally spaced paragraph from left and right side through__ _____**justify**
263. which of the following is valid type of sort in ms excel_ _____**basic sort**
264. if we have pasted the text in wrong line and want to cancel this action we can use ____ command _____**undo**
265. the home tab in excel and power point are _____**similar**
266. …… is a set of steps that define how a task is performed_____ ____**algorithm**
267. Operation system designed to service multiple users at a same time is called _____**time sharing**
268. USB and firewire are example of high speed data transfer over an _____ _____ **short distance**
269. Formulas of excel start with _____ **=**
270. Epic is a research centre that is___ _____**Non-profitable**
271. Message sent from source to destination via internet usually passes through …. Layer architecture_____ _____**two**
272. Software licensing terms and conditions usually include__ ____**all of the given**
273. The…….approach would allow search engines to identify recipes that contain that contain or don't contain center ingredients or material _____**semartic**
274. Computer science allows hospitals to be managed _____**efficiently**
275. Which of the following symbol is used for grouping in a pseudo code._____**()**
276. A person involved with the entire development process requirement analysis and design step is____ _____**software analyst**
277. Which of the following documents is developed in the analysis phase which gives a clear statement of the goals and objective of the project _____**design**

278. The idea of storing a computer program in its main memory is known as__-_____stored program concept
279. Which of the following in the first phase of software development life cycle?__ _____requirements analysis
280. Compilers and editors come under which type of software? __system software
281. Operation calculating NOT of the OR can be represented as___ _____NOR
282. Originally the length of IP address is _____32-bits
283. Which option MS access provides the ability to enter new record and nagigate through existing records easily?__ _____forms
284. XML stands for?_____ Extensible markup language
285. HTML stands for _____-hyper text markup language
286. Robots in comparison of humans are able to take blood from the veins__ _____accurately
287. One typical medical robot can alleviate a person …time a day_____40
288. A computer translator is best describe as_____ system software
289. Imperative paradigm is also known as__ _____procedural paradigm
290. Which of the following data type will be used for a variable having only the value o or 1._____boolean
291. Which of the following is not related to white box testing____ structural testing
292. Style groups in MS-word can have: _____Functions
293. Control structure iterates a set of instructions based on the provided condition called _____Conditional
294. Information security Risks include: _____Online scam
295. Each programming language tends to approach the parallel processing paradigm and have different terminology. In Ada we use term ….for this purpose. ____Thread
296. The option of bullets is in group: _____Paragraph
297. An analogy to the fact that the development process was allowed to flow in only one direction called _____Waterfall model
298. Content filtering is used to implement company policies related to usage of: _____Information system
299. 5%2 would give_____ 1
300. Privacy is the "right to be let alone" is written by: _____ Samuel D. Warren
301. "Displaying Text in Two Columns" feature is in which tab of MS Word? _____ _____Page Layout
302. ------- refers to data items that can take on only the values true or false Boolean
303. If we want to end a page at a specific point and move to the next page we can use: _____Page end
304. AI is helping to make: _____Robots
305. Which of the following is the contrast of the Declarative paradigm?_____ _____ Imperative paradigm
306. Table group is a part of _____ ribbon:_____ Insert
307. Attacks can be made to prevent access to websites by crashing:_____ Servers
308. Which of the following statement is used for output in C++? _____cout<<
309. A model which represents the shift away from strict adherence to the waterfall model is:_____ Iterative model
310. In the case of highly standardized languages, compiler designers often provide features, sometimes called _____Language extension
311. The system's interface should be designed for the _____. all of above

312. Which of the following might be used to convert high-level language instructions into machine language? _____An interpreter
313. True parallel processing requires ------- CPU cores_____ Multiple
314. Which of the following technique is used in software testing that examines the functionality of an application without peering into its internal structures or workings. _____Black box testing
315. Which of the following is a robot used in medical field :_____ Belgian robot
316. In modern computer applications, problems are more easily solved in the context of: _____Technology
317. Turing gave a percentage of a machine that will have a chance to pass Turing test in year: _____2000
318. In Belgian Pepper Robot works in:_____ Hospitals
319. Meaning of a statement in natural language depends on its: _____Style
320. Shortcut to insert an end note in MS word is_____ Alt + Ctrl + D
321. Stakeholders can be a _____Government agencies
322. Gaming addiction can cause problems: _____Environmental
323. Illustration is a part of ribbon:_____ Insert
324. DBMS stands for_____?_____ Database management system
325. What will be the output of the following code? int main() { int x = 9; while (x>0) x=x-1; cout<<x; return 0; } _____0
326. In context of health, computer sciences have impacts:__ Both positive & negative
327. If the result after comparison of two variables in relational operators is False, then if statement returns value._____ 0
328. Now if the result after comparison of two variables is True, then if statement returns value _____1
329. A mnemonic system for representing programs is collectively called a numbers _____Machine language
330. Second phase of the development phase of the software development life cycle is:
_____Bb
331. Which software testing methodology is to develop a set of test data that insures that each instruction in the software is executed at least once?___ White-box testing
332. Each statement in natural language can have:_____ AA
333. Find option includes: _____All of above
334. A device that responds to stimuli from its environment: _____Agent
335. Format painter is in group of: _____Design
336. In particular, the chart that indicates the entire game is overseen by a function named _____ Control Game,
337. The description of the object's properties is called _____Class
338. Editing group has commands: _____5
339. Which one is a unary operator? _____NOT
340. Quick Access Toolbar by default includes: _____All of these
341. The option of strike through is in group: _____Font
342. In modern computer applications, problems are more easily solved in the context of:_____Technology
343. Equal to sign is_____ =
344. Actions according to environment knowledge: _____Reflex action

345. To retrieve the information about an employee, we must select the _____ with the appropriate identification attribute value from the EMPLOYEE relation.__ Table
346. How many common forms of data mining? _____Two
347. The result of ---------- step in the entire development process should be
348. "tested" for accuracy _____Each intermediate step
349. From a lay- person's perspective, design is often equated with_____ How
350. The amount of paper American use in a year is: _____85 million tons
351. Which of the following might be used to convert high-level language instructions into machine language? _____An interpreter
352. Insert tab can have group: _____Pages
353. Writing programs in a machine language is a tedious task that often leads to errors that must be located and corrected _____Debugging
354. We have paste options:_____ Multiple
355. A significant example of iterative techniques is: ____Rational unified process
356. A software license is a _____ between the owner and user of a software product that grants the user certain permissions to use the product without transferring ownership rights to the intellectual property. _____Legal agreement
357. Page group includes options: _____Cover page
358. The syntax for using && is: _____Cmd1 && cmd 2
359. Smart art was introduced in MS word version _____ 2007
360. If the result after comparison of two variables in relational operators is False, then if statement returns value _____ 0
361. When we apply header it is shown at:_____ Start page of document
362. A translator which takes assembly language program as input & produce machine language code as output is known as: _____Assembler
363. Theoretical track is a part of:_____ Declarative knowledge
364. In MS-word different type of effects on the text can be applied with: __All of given
365. While _____ and software license agreements provide legal avenues to inhibit outright copying and unauthorized use of software._____ Copy rights
366. Social sites includes: _____ Twitter
367. Correct syntax is:_____ If (condition) Statement a Else Statement B.
368. There we found that a register called a _____ is used to hold the address of the next instruction to be executed._____ program counter
369. Software Engineering is an engineering discipline that is concerned with:_____ _____ ____ _____ All aspects of software production
370. Microsoft office includes: _____Word
371. In some cases, the data collection process is readily apparent; in others it is: _____Subtle
372. Access to the forbidden literature is because of: _____Computer
373. _____ are ideal for storing data that will be processed in the order in which the file's entries are stored. _____Sequential files
374. Change case control is an example of: _____Dropdown menu
375. A program DOCTOR developed by Joseph Weizenbaum in the mid1960s named as:
_____Eliza
376. Information that was once buried in arcane records has become accessible because of:_____Database

377. Programming languages are well-designed so that each statement has _____ meaning: _____Only one

378. _____ is based on real time factory concept._____ Factory pattern

379. The fifth group in the home ribbon is the: _____Eliding

380. Retailers maintain record of their costumers: _____ Purchases

381. USA has passed legislation allowing the government to actively monitor citizens in the name of: _____National security

382. Data mining is practiced on _____ data collections, called data warehouses. _____static

383. The links between _____ in an object-oriented database are normally maintained by the DBMS. _____Objects

384. In which of the following paradigms, a program is constructed by connecting smaller predefined program units. _____Functional paradigm

385. Int i=1;
While(i<=5)
{
Cout<<i;
I=i+1;
}
How many times loop will execute? _____5

386. Paste option is a part of home ribbon group called: _____Clipboard

387. Editing group have commands: _____3

388. People are working in sitting position due to computer science and thus have more chance to develop: _____Obesity

389. The style group in the home ribbon is the: _____Fourth group

390. The sign of modulus is_____ %

391. _____ deals with designing systems that harmonize with the physical abilities of humans. _____Ergonomics

392. The communication between people because of computer science has: Improved

393. Content filtering works by matching _____ of characters: _____Strings

394. Easy access to online health centres is because of: _____Database

395. A _____ is a collection whose entries have a hierarchical organization similar to that of an organization chart of a typical company._____ Tree

396. Sophisticated packages designed primarily for the software engineering environment known as _____DIES

397. The default theme of MS-Word document is:_____ Office

398. While _____ and software license agreements provide legal avenues to inhibit outright copying and unauthorized use of software._____ Copyrights

399. The option of justify is in group: _____Paragraph

400. ---------stages about developing a solution to the problem _____Design

401. A _____ is a description of only that portion of the database pertinent to a particular user's needs._____ Subschema

402. Which is Boolean operator for logical AND. _____&

403. Content Risks include:_____ Harmful Advice

404. One operation we might want to perform on a relation is to select _____ possessing certain characteristics and to place these selected _____ in a new relation. _____tuple, tuple

405. In the case of highly standardized languages, compiler designers often provide features, sometimes called _____Language extension

406. We can add charts in MS-word from group: _____Table

407. Turing test was purposed in: _____1950

408. Act that ranges government restrictions on wire taps to include transmissions of data is:_____ECPA

409. Computer science helps in faster response times through: _____All of given

410. In _____ software tester is aware of the interior structure of the software and uses this knowledge when designing the test. _____Black-box testing

411. The field of artificial intelligence is being pursued along paths: _____3

412. Software licenses are:_____ All of these

413. Requiring certain degree of uniformity of the style, size and orientation of symbols is a(n): _____CCCC

414. The term programming paradigm is a misnomer. A more realistic term would be Non-Procedural paradigms _____Nontraditional paradigms

415. In turn the collected information is potentially available to: _____All of these

416. Major component of syntactic analysis is: _____DD

417. In assembly language, the instructions like MOV or ADD are called as _____ _____OP-Code

418. We have to write an equation with 2 as a number and 3 as its power. Which option can be used for this purpose? _____BB

419. The imperative paradigm, also known as the Particular machine _____ _____Procedural paradigms

420. Third generation language attributes refer to_____ Particular machine

421. Computer security is also known as: _____Cyber-security

422. In _____ if two modules interact with the same item of data, then modifications made to one module may affect the other._____ Data coupling

423. Retailers maintain record of their costumers: _____Purchases

424. Each programming language tends to approach the parallel processing paradigm and have different terminology. In Ada we use term ….for this purpose._____ Task

425. A specific example is the _____series of standards, which address numerous industrial activities such as design, production, installation and servicing. _____ISO 9000

426. In Object Oriented Paradigm, each object will have its own collection of functions which is known as: _____Classes

427. Pages is an option in the ribbon:_____ Insert

428. Learning procedural knowledge usually involves a process: _____Trial-and-error

429. A model which represents the shift away from strict adherence to the waterfall model is:_____ Iterative model

430. Distinction between software engineering and other engineering disciplines is the lack of quantitative techniques, called _____Metrics

431. The term cohesion refers to this _____logical cohesion

432. Ethical issues are related to: _____Moral principles

433. Modules come in a variety of _____._____ Forms

434. _____ begins the paragraph with a large letter that spills down into the text: _____Drop cap

435. Plagiarism is a major problem in: _____Education

436. Shortcut key of cut is:_____ Ctrl+x
437. Which intermodal coupling occurs when a module passes control of execution to another, as in a function call?_____ control coupling
438. Process of understanding what the characteristics of images means refers to:_____Analysis
439. This _____ view of the database is called a database model____.Conceptual
440. If we want to end a page at a specific point and move to the next page we can use:_____ Page end
441. A file's _____ is normally stored as a separate file on the same mass storage device as the_____._____ index , indexed file
442. Declarative paradigms system is design for _____All of these
443. A _____ is a pre-developed model for solving a recurring problem in software design. _____design pattern
444. The conceptual shape or arrangement of data is known as_____ Data structure
445. Which of the following language is related to functional paradigm? _____Python
446. This conceptual view of the database is called a _____ model. ___Database
447. Electronic Theft include _____Cyber bullying
448. Control structure iterates a set of instructions based on the provided condition called_____ _____Loop
449. Shortcut key of paste is: _____Ctrl+v
450. Which from the following is not a relational operator?_____ ! =

451. We can highlight a text from group: _____Font
452. Reports can be received at home through email because of advancement in: _____Artificial intelligence
453. **CAN-SPAM Act applies in:** _____US
454. In particular, the chart that indicates the entire game is overseen by a function named _____ Controlgame
455. A translator which takes assembly language program as input & produce machine language code as output is known as: _____Assembler
456. Which of the following is social issue? _____All of given
457. A rapidly expanding subject that is closely associated with database technology is _____, which consists of techniques for discovering patterns in collections of data. _____Data mining
458. Assignment statement is _____=
459. The term _____refers to a collection of data that is multidimensional in the sense that internal links between its entries make the information accessible from a variety of perspectives. _____Database
460. The statement z=x+y shows _The sum of X and Y be assigned to the variable Z
461. The Turing test result of program DOCTOR developed by Joseph Weizenbaum was: _____Ambiguous
462. A process which is used by the software industry to design, develop and test high quality software is known as: _____Software life cycle
463. Shortcut key to select the whole text in a document_____ Ctrl+a
464. In the case of the incremental model these prototypes evolve into the complete, final system, a process known as_____. Evolutionary prototyping
465. Microsoft office includes: _____Word
466. Design ribbon can have: _____Page border

467. The option of strike through is in group: _____Particular machine
468. The field of artificial intelligence is being pursued along paths: _____2
469. Design phase is followed by……_____ Implementation
470. The point at which all the steps in a transaction have been recorded in the log is called the _____. _____commit point
471. "Displaying Text in Two Columns" feature is in which tab of MS Word? _____ _____Page Layout
472. Command that can immediately go to a page or any marked location within your document: _____Go to
473. Ctrl+y is used for: _____ Redo
474.

1. World first computer program?

Ada lovelace, whose real name was ada king,countess of lovelace and first daughter to the poet lord Byron,is widely considered to be the world first computer programmer, at least in the theoretical sense. As a young women, lovelace befriended with the Charles babbage who wrote plans for the analytical engine a clock work counting machine

2. Credit card fraud?

Credit card fraud happens when someone- a fraudestr or theif- uses your stolen credit card or information from that credit card to make unauthorized purchases in your name or taken out cash advances using your account. Credit card can be avoid using data mining technique outlier analysis.

3. What types of letters are used during designing a website program?

4. Valid and invalid event handlers?

5. Primitive data types?

- Integers
- Float
- Character
- Boolean

6. What are the uses of pseudocode area?

Pseudocode is an informal way of programming description that does not require any strict programming language syntax or underlying technology consideration.it is used for creating an outline or a rough draft of a program

7. B629 hexadecimal convert into binary?

8. What is MS access?

A database is a shared collection of logically related data that is stored to meet requirements of different users of an organization.

9. Steps to understand general images?

The task of understanding general images is usually approached as a two-step process: (1**) image processing,** which refers to identifying characteristics of the image, and (2) **image analysis,** which refers to the process of understanding what these characteristics mean.

10. Types of analysis for NLP?

Neuro- linguistic programming or natural language processing. It deal with linguistic that humans evolve different language

- Syntactic analysis

- Semantic analysis
- Contextual analysis

11. Name two popular method algorithm base design?

C++, Java .C# etc.

12. Which ribbon is used on MS word for images and videos?

Insert ribbon has illustration box which is used to insert images and videos.

13. Can spam act?

- Don’t use false or misleading header information
- Don’t use descriptive subject lines
- Identify the message as an ad
- Tell recipient where you are located
- Honor opts outs requests promptly
- Monitor what other are doing on your behalf

14. What is collection of unit and function of unit?

In object oriented paradigm,a software is viewed as collection of units which are called objects

15. How environment effected when heavy metal computers are thrown away?

Difference Between File and **Database** is that a data **file** is a collection of related records stored on a storage medium such as a hard disk or optical disc. While a **database** is a collection of data organized **in a** manner that allows access, retrieval, and use of that data.

16. Difference between file base and data base?

17. What is amchine independent language?name two ?

Programming language such as C++, fortran,or pascal that enable a programmer to wrote program that are more or less independent of a particular type of computer. Such languages are considered as high level language because they are closer to human language and further from machine language.

18. Two uses of content filtering?

Content filtering, in the most general sense, involves using a program to prevent access to certain items, which may be

harmful if opened or accessed. The most common items to filter are executable, emails or websites.

19. Practice on excel and make spreadsheet of student marks?(also learn the formulas)

20. Define list and its types?

List is a collection whose entries are arranged sequentially

Two types of list:

- Stack
- queue

21. to draw custom textbox in the text group and write the procedural steps?(L.Q)

22. a table of 8 students with 3 subject column. And find out the number of students obtained 88 marks in ITC subject by excel formulaand also give output and lowest marks obtained in physics by excel formula and write the output?(L.Q)

23. write the pseudocode for a perimeter and area of a rectangle?

```
include <iostream>
#include<stdlib.h>
using namespace std;


int main()
{
   int l,w,perimeter,area;
   cout<<"Length : ";
   cin>>l;
   cout<<"Width : ";
   cin>>w;
   area=l*w;
   perimeter=2*(l+w);
   cout<<"Area of Rectangle : "<<area<<endl;
   cout<<"Perimeter of Rectangle : "<<perimeter
```

24. Write full form of VoIP and write their types?

Voice over internet protocol

Types:

- Residential services
- Mobile services
- Phone-based services
- Software based services
- Business services
- Clouds-hosted VoIP services

25. Make excel table?

26. Difference between high level and low level language?

The main **difference between high level language and low level language** is that, Programmers can easily understand or interpret or compile the **high level language** in

comparison of machine. On the other hand, Machine can easily understand the **low level language** in comparison of human beings

27. What is register and its uses?

Registers are the part of CPU and they contain data storage cells(similar to main meory cell) which are used for temporary storage of information within CPU

28. How to define syntax of array?

Array declaration **syntax** is very simple. The **syntax** is the same as for a normal variable declaration except the variable name should be followed by subscripts to specify the size of each dimension of the **array**. ... where VariableType is a Modelica type like Real or Integer , varName is the name of the variable

29. What are parts of insert ribbon on MS word?

Pages, table, illustration,links,header and footer, text,symbols

30. Formula of sum to add row 3and address of containing cell 6?

31. Geometric characteristics?

Another approach to problem of character recognition is based on matching the geometric characteristics rather than the exact appearance of the symbols.in such case the digit 1 might be characterized as a single vertical line, 2 might be an open curved line joined with a horizontal straight line across the bottom. And so on..

32. Write project of all teachers from teachers then students has greater than 100?

33. What is Trojan horses virus?

Trojan horseware is a type of malware that is often disguised as legitimate software. Trojan can be employed by cyber-theives and hackers trying to gain access to user system

34. Style is predefined in MS word can we cutomise own style in MS word?>

35. Match column A to B and write in C

36. Arithmetic operation on data?

37. Use of stack?

A stack is a list in which entries are inserted and removed only at the head. An example is a stack of books

where physical restrictions dictate that all additions and deletions occur at the top

38. Use of internet?

Internet is usefull in many fields of life it is used to share information to all around the world.it is used in medical fields and many more

39. C++ ?

C++ is a proframming language. , C++ is

associated with the C++ Standard Template Library,

40. Paragraph insert option in MS word?

The paragraph group allows you to change Paragraph

Alignment (left, right, centered, or justified), adjust Line Spacing within a paragraph, and adjust spacing before and after

paragraphs, along with working with paragraph Indentation as shown in figure 151. This is also the area where you can

add bullet lists, number lists, or outlines form to a documents. The Dialog expander arrow will open the Paragraph dialog window.

41. Array consists of multiple rows and column?

42. Join of two relation produce on relation.

43. Rows are also called tuple

44. Wild card use sign for?

Wild card use * sign for searching

45. What is tree?

A tree is a collection whose entries have a hierarchical organization similar to that of an organization chart of a typical
company (Figure 105). The president is represented at the top, with lines branching down to the vice presidents, who are
followed by regional managers, and so on**.**

46. Basis path testing?

Another software testing methodology, called basis path testing, is to develop a set of test data that insures that each

instruction in the software is executed at least once

47. Glass box testing?

Techniques based on the Pareto principle and basis path testing rely on knowledge of the internal composition of the

software being tested. They therefore fall within the category called glass-box testing, meaning that the software tester is

aware of the interior structure of the software and uses this knowledge when designing the test.

48. Boundry value analysis?

An example of black-box testing is the technique, called boundary value analysis, that consists of identifying ranges of

data, called equivalence classes, over which the software should perform in a similar manner and then testing the software

on data close to the edge of those ranges.

49. Beta testing ?

Another methodology that falls within the black-box category is beta testing in which a preliminary version of the software

is given to a segment of the intended audience with the goal of learning how the software performs in real-life situations

before the final version of the product is solidified and released to the market.

50. Alpha testing?

Another methodology that falls within the black-box category is beta testing in which a preliminary version of the software

is given to a segment of the intended audience with the goal of learning how the software performs in real-life situations

before the final version of the product is solidified and released to the market.

(Similar testing performed at the developer’s site is called alpha testing.)

51. Case tool?

. CASE has led to the development of a variety of computerized

systems, known as CASE tools, which include project planning systems (to assist in cost estimation, project scheduling,

and personnel allocation), project management systems (to assist in monitoring the progress of the development project),

documentation tools (to assist in writing and organizing documentation), prototyping and simulation systems (to assist in

the development of prototypes), interface design systems (to assist in the development of GUIs), and programming systems

(to assist in writing and debugging programs).

52. Control structure loop

There is another type of control structure known as loop. The loop control structure iterates a set of instructions based on

the provided condition.

Consider the following example, we are interested to print the counting from 1 to 5. One way of doing this is as follows:

cout<<”1”; cout<<”2”; cout<<”3”;

cout<<”4”; cout<<”5”;

53. Which optical disc is used to store movie and which is used to store research projects?

54. Which stage of SDLC involves debugging and gives conformation that our computer is compatible with SRS?

Test phase

55. Names of three machine instructions?

Opcodes, **source** operand reference, result operand reference and next instruction reference.

56. Two points on which NLP statement depends?

Theoretical analysis and engineering analysis

57. Purpose of external data tab on MS access?

58. Effect of computer science on environment?

59. Binary conversion?

60. Purpose of dreamweaver software?

Adobe **Dreamweaver** CC is a web design and an Integrated Development Environment (IDE) **application** that is used to develop and design websites.
Software genre: Integrated development enviro...
License: Proprietary software
Developer: Adobe, Macromedia

61. Multiple thread programming?

In computer architecture, multithreading is the ability of a central processing unit (CPU) (or a single core in a **multi**-core processor) to provide **multiple threads** of execution concurrently, supported by the operating system.

62. Steps in machine cycle?

Fetch

Decode

Execute

63. List of attacks that prevent websites?

A firewall is your first line of defense against DDoS **attacks**.

64. Ways by which America waste paper?

65. Http.edu.ilm.shakespear.html(explain this link parts http,edu, shakespear,html)

66. Short key word of soft program ?

67. Short cut key interpreter difference matching column goal design insert,

68. Imperative declarative difference?

69. Queue?

70. Formula of count if function?

=if(J3>33,”pass”,”fail”)

71. Evaluation process of determining software product all conditions is called?
72. System software consists of 2 category operating ____
73. Data privacy is also called_____
74. Software consists of_____
75. Symbol ((is the _____operator
76. An array is _____block of data
77. Information privacy risk include_____
78. Redo use by ____option in computer tab.
79. SQL stand for_____
80. Page group option is_____

81. **The fourth group of home ribbon is_____**
82. **The transition point is applied between slides of power point text wew copy temporarily store in____**
83. **Mass storage have_____data type.**
84. **Pepper robot in Belgian hospital work as a_____**
85. **Output of =count65`71`89`(A2:A8) is_____**
86. **Which of the following block element ofHTML _____-**
87. **_____--encoding use especially as a word press**
88. **Following option is relational operator**
89. **Relational operators cannot be used in_____**
90. **Multiple thread programming?**
91. **Parts of home ribbon?**
92. **Name of organization system screaming?**
93. **Full form of LIFO and FIFO?**

LIFO(last in – first out) and FIFO(first in- first out)

94. **Excel formulas for median maximum and highest?**
95. **What is SQL in which process it is used?**
96. **Give two priority of area of P1?**
97. **GUI abbreviation?**
98. **Two tables related to MS Excel and MS word?**
99. **Operating system?**
100. **Column matching of file manager,dispatchetc?**
101. **Table of 8 by using C++ language**
102. **Gramm leach billy act?**
103. **Three forms of shell?**
104. **Drop cap from MS Word?**
105. **Content at the top of every page of document ?**
106. **Content at the bottom of every page of document?**
107. **Obstacles?**
108. **Objects?**
109. **Variable?**
110. **Data structure?**
111. **Array?**
112. **Arithmetic operator?**
113. **Relational operator?**
114. **Requirement analysis?**
115. **Software engineering?**
116. **Waterfall model?**
117. **Software engineering methodology?**
118. **SLC?**
119. **Prototyping?**
120. **Coupling and cohesion?**
121. **Pareto principle?**
122. **Documentation type?**
123. **Copyright and patent law?**
124. **Node ? types**
125. **Pointer?**

126. **Data base?**
127. **Schema , sub schema?**
128. **Information hiding?**
129. **Design pattern?>**
130. **Software quality?**
131. **SQA?**
132. **Testing?**
133. **Interaction?**
134. **Drawbacks of matching geometrical sequence?two examples**
135. **What is block and inline element in HTML?**

BLOCK elements always start after a new line and the content is displayed in the next line in browser.

Example:<h1>,<p>,<ul>,<table>(will be use in coming section)

Inline elements are usually displayed on the browser without starting a new line

Example:<b>,<td>,<a>,<img>

136. **Two points on which NLP statement depends?**
137. **Describe the events from 1997when database abuse discourage by public opinion?**
138. **Abbreviation of PI and EPIC?**

PI(privacy international) and EPIC(electronic privacy information center)

139. **What is secure version of HTTP?**

Hypertext transfer protocol secure(HTTPS) is the secure version of HTTPwhich is the primary protocol used to send data between a web browser and a wwebsite. HTTP is encrypted in order to increase security of data transfer.

140. **Difference between threads and process?**

Process means a program is in execution whereas thread means a segment of a process.a process is not lightweight, whereas threads are lightweight.a process is mostly isolated whereas a thread share memory.process does not share data and thread share data with each other

141. **What is stack?**

A stack is a list in which entries re inserted and removed only at the head.the tail of stack is called its bottom or base .inserting a new entry is called pushing an entry. removing an entry from the top is called popping an entry.note that the last entry placed on a stack will always be the first entry removed--an observation that leads to a stack being known as last in first out(LiFO)

142. **DOS attack steps?**

Denial of service attack is an attack meant to shut down a machine or network, making it inaccessible to its intended users.DOS attacks accomplish this by flooding the target with traffic, or sending it information that triggers a crash

143.

144. **(Graphs in module 112,113,114, for mcqs)**

1. World first computer program?

Ada lovelace, whose real name was ada king,countess of lovelace and first daughter to the poet lord Byron,is widely considered to be the world first computer programmer, at least in the theoretical sense. As a young women, lovelace befriended with the Charles babbage who wrote plans for the analytical engine a clock work counting machine

2. Credit card fraud?

Credit card fraud happens when someone- a fraudestr or theif- uses your stolen credit card or information from that credit card to make unauthorized purchases in your name or taken out cash advances using your account. Credit card can be avoid using data mining technique outlier analysis.

3. Primitive data types?

- Integers
- Float
- Character
- Boolean

4. What are the uses of pseudocode area?

Pseudocode is an informal way of programming description that does not require any strict programming language syntax or underlying technology consideration.it is used for creating an outline or a rough draft of a program

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A database is a shared collection of logically related data that is stored to meet requirements of different users of an organization.

6. Steps to understand general images?

The task of understanding general images is usually approached as a two-step process: (1**) image processing,** which refers to identifying characteristics of the image, and (2) **image analysis,** which refers to the process of understanding what these characteristics mean.

7. Types of analysis for NLP?

Neuro- linguistic programming or natural language processing. It deal with linguistic that humans evolve different language

- Syntactic analysis
- Semantic analysis
- Contextual analysis

8. Name two popular method algorithm base design?

C++, Java .C# etc.

9. Which ribbon is used on MS word for images and videos?

Insert ribbon has illustration box which is used to insert images and videos.

10. Can spam act?

- Don’t use false or misleading header information
- Don’t use descriptive subject lines
- Identify the message as an ad
- Tell recipient where you are located
- Honor opts outs requests promptly
- Monitor what other are doing on your behalf

11. What is collection of unit and function of unit?

In object oriented paradigm,a software is viewed as collection of units which are called objects

12. How environment effected when heavy metal computers are thrown away?

Difference Between File and **Database** is that a data **file** is a collection of related records stored on a storage medium such as a hard disk or optical disc. While a **database** is a collection of data organized **in a** manner that allows access, retrieval, and use of that data.

13. What is amchine independent language?name two ?

Programming language such as C++, fortran,or pascal that enable a programmer to wrote program that are more or less independent of a particular type of computer. Such languages are considered as high level language because they are closer to human language and further from machine language.

14. Two uses of content filtering?

Content filtering, in the most general sense, involves using a program to prevent access to certain items, which may be

harmful if opened or accessed. The most common items to filter are executable, emails or websites.

15. Define list and its types?

List is a collection whose entries are arranged sequentially

Two types of list:

- Stack
- queue

16. Write full form of VoIP and write their types?

Voice over internet protocol

Types:

- Residential services
- Mobile services
- Phone-based services
- Software based services
- Business services
- Clouds-hosted VoIP services

17. Difference between high level and low level language?

The main **difference between high level language and low level language** is that, Programmers can easily understand or interpret or compile the **high level language** in comparison of machine. On the other hand, Machine can easily understand the **low level language** in comparison of human beings

18. What is register and its uses?

Registers are the part of CPU and they contain data storage cells(similar to main meory cell) which are used for temporary storage of information within CPU

19. How to define syntax of array?

Array declaration **syntax** is very simple. The **syntax** is the same as for a normal variable declaration except the variable name should be followed by subscripts to specify the size of each dimension of the **array**. ... where VariableType is a Modelica type like Real or Integer , varName is the name of the variable

20. What are parts of insert ribbon on MS word?

Pages, table, illustration,links,header and footer, text,symbols

21. Geometric characteristics?

Another approach to problem of character recognition is based on matching the geometric characteristics rather than the exact appearance of the symbols.in such case the digit 1 might be characterized as a single vertical line, 2 might be an open curved line joined with a horizontal straight line across the bottom. And so on..

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Trojan horseware is a type of malware that is often disguised as legitimate software. Trojan can be employed by cyber-theives and hackers trying to gain access to user system

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A stack is a list in which entries are inserted and removed only at the head. An example is a stack of books

where physical restrictions dictate that all additions and deletions occur at the top

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Internet is usefull in many fields of life it is used to share information to all around the world.it is used in medical fields and many more

25. C++ ?

C++ is a proframming language. , C++ is

associated with the C++ Standard Template Library,

26. Paragraph insert option in MS word?

The paragraph group allows you to change Paragraph

Alignment (left, right, centered, or justified), adjust Line Spacing within a paragraph, and adjust spacing before and after

paragraphs, along with working with paragraph Indentation as shown in figure 151. This is also the area where you can

add bullet lists, number lists, or outlines form to a documents. The Dialog expander arrow will open the Paragraph dialog window.

27. Wild card use sign for?

Wild card use * sign for searching

28. What is tree?

A tree is a collection whose entries have a hierarchical organization similar to that of an organization chart of a typical
company (Figure 105). The president is represented at the top, with lines branching down to the vice presidents, who are
followed by regional managers, and so on**.**

29. Basis path testing?

Another software testing methodology, called basis path testing, is to develop a set of test data that insures that each

instruction in the software is executed at least once

30. Glass box testing?

Techniques based on the Pareto principle and basis path testing rely on knowledge of the internal composition of the

software being tested. They therefore fall within the category called glass-box testing, meaning that the software tester is

aware of the interior structure of the software and uses this knowledge when designing the test.

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An example of black-box testing is the technique, called boundary value analysis, that consists of identifying ranges of

data, called equivalence classes, over which the software should perform in a similar manner and then testing the software

on data close to the edge of those ranges.

32. Beta testing ?

Another methodology that falls within the black-box category is beta testing in which a preliminary version of the software

is given to a segment of the intended audience with the goal of learning how the software performs in real-life situations

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(Similar testing performed at the developer's site is called alpha testing.)

34. Case tool?

. CASE has led to the development of a variety of computerized

systems, known as CASE tools, which include project planning systems (to assist in cost estimation, project scheduling,

and personnel allocation), project management systems (to assist in monitoring the progress of the development project),

documentation tools (to assist in writing and organizing documentation), prototyping and simulation systems (to assist in

the development of prototypes), interface design systems (to assist in the development of GUIs), and programming systems

(to assist in writing and debugging programs).

35. Control structure loop

There is another type of control structure known as loop. The loop control structure iterates a set of instructions based on

the provided condition.

Consider the following example, we are interested to print the counting from 1 to 5. One way of doing this is as follows:

cout<<"1"; cout<<"2"; cout<<"3";

cout<<"4"; cout<<"5";

36. Which stage of SDLC involves debugging and gives conformation that our computer is compatible with SRS?

Test phase

37. Names of three machine instructions?

Opcodes, **source** operand reference, result operand reference and next instruction reference.

38. Two points on which NLP statement depends?

Theoretical analysis and engineering analysis

39. Purpose of dreamweaver software?

Adobe **Dreamweaver** CC is a web design and an Integrated Development Environment (IDE) **application** that is used to develop and design websites.
Software genre: Integrated development enviro...
License: Proprietary software
Developer: Adobe, Macromedia

40. Multiple thread programming?

In computer architecture, multithreading is the ability of a central processing unit (CPU) (or a single core in a **multi**-core processor) to provide **multiple threads** of execution concurrently, supported by the operating system.

41. Steps in machine cycle?

Fetch

Decode

Execute

42. List of attacks that prevent websites?

A firewall is your first line of defense against DDoS **attacks**.

43. Formula of count if function?

=if(J3>33,”pass”,”fail”)

44. What is block and inline element in HTML?

BLOCK elements always start after a new line and the content is displayed in the next line in browser.

Example:<h1>,<p>,<ul>,<table>(will be use in coming section)

Inline elements are usually displayed on the browser without starting a new line

Example:<b>,<td>,<a>,<img>

45. Abbreviation of PI and EPIC?

PI(privacy international) and EPIC(electronic privacy information center)

46. What is secure version of HTTP?

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49. DOS attack steps?

Denial of service attack is an attack meant to shut down a machine or network, making it inaccessible to its intended users.DOS attacks accomplish this by flooding the target with traffic, or sending it information that triggers a crash .

1. Define assemblers; write down their functions, uses and why we use assemblers?

An assembler **is** a **program that converts** assembly **language into machine code.** It **takes** the **basic commands and operations from** assembly **code and converts them into binary code that can be recognized by** a **specific** type **of processor.** Assemblers **are similar to compilers in that they produce executable code.**

2. Change case option

The **case** menu offers four **options**; Sentence **case**: It capitalizes the first letter of each sentence. Lowercase: It **changes** the text from uppercase to lowercase. Uppercase: It capitalizes all the all letters of your text. Capitalize Each Word: It capitalizes the first letter of each word.

3. Linux:

Linux® is an open source operating system (OS). An operating system is the software that directly manages a system's hardware and resources, like CPU, memory, and storage. The OS sits between applications and hardware and makes the connections between all of your software and the physical resources that do the work.

4. Wild card sign used for?

Wildcards are **symbols used** in database searches to represent a letter or **letters** in a word. **Wildcards** can be useful when searching for information because they enable different forms or spelling of a word to be searched simultaneously.

5. AutoCAD?

Computer Aided Design

AutoCAD stands for Computer Aided Design. This software used for designing and drafting. It allows a user to conceptualize ideas, product designs and drawings to the required level of technical accuracy, perform rapid design calculations and simulations in the field of manufacturing industries.

6. Style is predefined in MS Word; can we add our own style?

No, Style is predefined in MS Word already.

7. Valid and invalid event handlers:

When a form is submitted, **invalid events** are fired at each form control that is **invalid**. The **validity** of submit table elements is checked before submitting their owner <form> , or after the check Validity() method of the element or its owner <form> is called

8. Comparison and imperative program and functional program **:**

9. Software life cycle:

The software life cycle begins with requirements analysis— the goal of which is to specify what services the proposed system will provide, to identify any conditions (time constraints, security, and so on) on those services, and to define how the outside world will interact with the system.

10. Control Statement:

A **control statement** is a **statement** that determines whether other **statements** will be executed. An if **statement** decides whether to execute another **statement**, or decides which of two **statements** to execute for loops are (typically) used to execute the controlled **statement** a given number of times.

11. Types of locks:

The two **types of locking** are pessimistic **locking** and optimistic **locking**:
Pessimistic **locking**:
a user who reads a record with the intention of updating it places an exclusive **lock on** the record to prevent other users from manipulating it.

12. How many types of solutions of lost update problem?

Ignore It. The simplest technique is to just ignore it, hoping it will never happen; or if it **does** happen, that there won't be a terrible outcome.

Locking. Another popular technique for preventing **lost update problems** is to use locking techniques.

Read Before Write. ...

Time stamping.

13. What are basic steps to create a basic formula in excel?

On the worksheet, click the cell in which you want to enter the **formula**.

Type the = (equal sign) followed by the constants and operators (up to 8192 characters) that you want to use in the **calculation**. For our **example**, type =1+1. Notes: ... Press Enter (Windows) or Return (Mac).

14. Hyperlink:

Hyperlinks are the primary method used to navigate between pages and Web sites. Links can point to other web pages, web sites, graphics, files, sounds, e-mail addresses, and other locations on the same web page. When text is used as a hyperlink, it is usually underlined and appears as a different **color**.

15. Email-spasm and laws

Whether a message is **spam** does not answer whether it is **illegal**. In fact, **SPAM** IS LEGAL in the United States. That is, whether your **email** is solicited or unsolicited, and whether it is highly targeted or not, have nothing to do with legality under U.S. law.
Anti-**spam law** restricts the sending of **unsolicited** marketing **emails** ('**spam**') to individual subscribers. **Unsolicited emails** can still be sent to corporate subscribers if they are relevant to their work.

16. **Digital ownership**

By **digital ownership** we mean that we have permission to access and/or use data, information and knowledge about ourselves or about the objects we own. We can also grant or revoke rights on these data. **Digital ownership** is a layer of Internet of Things (IoT) Information bank is the storage of **digital** data treasure.

17. **Contextual Analysis**

A *contextual analysis* is simply an *analysis* of a text (in whatever medium, including multimedia) that helps us to assess that text within the *context* of its historical and cultural setting, but also in terms of its textuality – or the qualities that characterize the text as a text.

18. **Information retrieval?**

Information retrieval is the process of obtaining information system resources that are relevant to an information need from a collection of those resources. Searches can be based on full-text or other content-based indexing.

19. Artificial intelligence?

Artificial Intelligence (**AI**) is the branch of computer sciences that emphasizes the development of **intelligence** machines, thinking and working like humans. For **example**, speech recognition, problem-solving, learning and planning.

20. What is smart Art?

A **Smart Art** graphic is a visual representation of your information and ideas. You create one by choosing a layout that fits your message. Some layouts (such as organization charts and Venn diagrams) portray specific kinds of information, while others simply enhance the appearance of a bulleted list.

21. What is sorting and filter?

The **filter** tool gives you the ability to **filter** a column of data within a table to isolate the key components you need. The **sorting** tool allows you to sort by date, number, alphabetic order and more. In the following **example**, we will explore the usage of **sorting and filtering** and show some advanced **sorting** techniques.

22. **Trade mark:**

The term **trademark** refers to a recognizable insignia, phrase, word, or symbol that denotes a specific product and legally differentiates it from all other products of its kind. A **trademark** exclusively identifies a product as belonging to a specific company and recognizes the company's ownership of the brand.

23. What is webpage?

A web page is a specific collection of information provided by a website and displayed to a user in a web browser. A website typically consists of many web

pages linked together in a coherent fashion. The name "web page" is a metaphor of paper pages bound together into a book.

24. Define commit point?

In a **DBMS**, a **point** in time at which all updates to a database, or group of records in a database, are guaranteed to have been written to disk, and the journal or log records of that action have also been so **committed**.

25. Define heterogeneous array?

A heterogeneous array **is an** array **of objects that differ in their specific class, but are all derived from or are instances of a root class. The root class derives directly from matlab, mixin.**

26. What is functional paradigm?

Functional programming is **a** programming paradigm **in which we try to bind everything in pure mathematical functions style. It** is **a declarative type of** programming **style. Its main focus** is **on "what to solve" in contrast to an** imperative **style where the main focus** is **"how to solve".**

27. What is the difference between translator and interpreters

The key differences between interpretation **and** translation **are found in each service's medium and skill set:** interpreters **translate spoken language orally, while** translators **translate the written word.**

28. What is the drawback of assembly language

It takes a lot of time and effort to write the code **for the same. It is very complex and difficult to understand. The syntax is difficult to remember. It has a lack of portability of program between different computer architectures.**

29. World first computer program?

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Pseudocode is an informal way of programming description that does not require any strict programming language syntax or underlying technology consideration. it is used for creating an outline or a rough draft of a program

33. What types of letters are used during designing a website program?

Most **typefaces** can be classified into one of **four basic** groups: those with serifs, those without serifs, scripts and decorative **styles**. Over the years, typographers and scholars of typography have devised various systems to more definitively categorize **typefaces** – some of these systems have scores of sub-categories.

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The task of understanding general images is usually approached as a two-step process: (1) image processing, which refers to identifying characteristics of the image, and (2) image analysis, which refers to the process of understanding what these characteristics mean.

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A database is a shared collection of logically related data that is stored to meet requirements of different users of an organization.

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Neuro- linguistic programming or natural language processing. It deal with linguistic that humans evolve different language • Syntactic analysis • Semantic analysis • Contextual analysis

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42. Difference between file base and data base?

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44. Define list and its types?

st is a collection whose entries are arranged sequentially Two

types of list:

- Stack
- queue

45. Write the pseudocode for a perimeter and area of a rectangle?

```
Include< iostream > #include<
stdlib.h >

using namespace

std;


int main()

{

        int

        l,w,perimeter,area;
        cout<<"Length    :    ";
        cin>>l; cout<<"Width :
        "; cin>>w; area=l*w;
        perimeter=2*(l+w); cout<<
        "Area of Rectangle :

       "<<area<<endl; cout<<"Perimeter of
       Rectangle : "<<perimeter
```

47. Write full form of VoIP and write their types?

Voice over internet protocol

Types:

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- Mobile services
- Phone-based services
- Software based services
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Pages, table, illustration, links, header and footer, text, symbols.

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65. Control structure loop

There is another type of control structure known as loop. The loop control structure iterates a set of instructions based on the provided condition. Consider the following example; we are interested to print the counting from 1 to 5. One way of doing this is as follows:

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Test Phase

67. Names of three machine instructions?

Opcodes, source operand reference, result operand reference and next instruction reference.

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Adobe Dreamweaver CC is a web design and an Integrated Development Environment (IDE) application that is used to develop and design websites. Software genre: Integrated development environs. License: Proprietary software Developer: Adobe, Macromedia

69. Multiple thread programming?

In computer architecture, multithreading is the ability of a central processing unit (CPU) (or a single core in a multi-core processor) to provide multiple threads of execution concurrently, supported by the operating system.

70. Steps in machine cycle?

- Fetch
- Decode
- Execute

71. List of attacks that prevent websites?

A firewall is your first line of defense against DDoS attacks.

72. Formula of count if function?

=if(J3>33,”pass”,”fail”)

73. Multiple thread programming?

A multi-**threaded program** contains two or more parts that can run concurrently and each part can handle a different task at the same time making optimal use of the available resources specially when your computer has **multiple** CPU

74. Parts of home ribbon?

There are five main **components** to a **Ribbon**; QAT (Quick Access Toolbar), tabs, command buttons, groups of command buttons, and dialog launchers

75. Full form of LIFO and FIFO?

LIFO (last in – first out) and FIFO(first in- first out)

76. What is block and inline element in HTML?

BLOCK elements always start after a new line and the content is displayed in the next line in browser.

Example :<h1>,<p>,<ul>,<table>(will be use in coming section)

Inline elements are usually displayed on the browser without starting a new line Example

:<b>,<td>,<a>,<img>

77. *Two points on which NLP depends?*

Syntactic Analysis. **Semantic**
Analysis.

78. Describe the events from 1997 when database abuse discourage by public opinion? In 1997 the Social Security Administration in the United States modified its plan to make Social Security records available via the Internet when public opinion questioned the security of the information. In some of these cases results were obtained in days—a stark contrast to the extended time periods associated with legal processes.

Of course, in many cases database applications are beneficial to both the holder and the subject of the data, but in all cases, there is a loss of privacy that should not be taken lightly. Such privacy issues are serious when the information is accurate, but they become gigantic when the information is erroneous. Imagine the feeling of hopelessness if you realized that your credit rating was adversely affected by erroneous information. Imagine how your problems would be amplified in an environment in which this misinformation was readily shared with other institutions. Privacy problems are, and will be, a major side effect of

advancing technology in general and database techniques in particular. The solutions to these problems will require an educated, alert, and active citizenry

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A stack is a list in which entries re inserted and removed only at the head.the tail of stack is called its bottom or base .inserting a new entry is called pushing an entry. removing an entry from the top is called popping an entry.note that the last entry placed on a stack will always be the first entry removed--an observation that leads to a stack being known as last in first out(LiFO)

83. DOS attack steps?

Denial of service attack is an attack meant to shut down a machine or network, making it inaccessible to its intended users.DOS attacks accomplish this by flooding the target with traffic, or sending it information that triggers a crash.

84. Excel formulas for median maximum and highest?

85. What is SQL in which process it is used?

Structured Query Language (**SQL**) is the standard and most widely **used** programming language for relational databases. It is **used** to manage and organize data in all sorts of systems in which various data relationships exist. **SQL** is a valuable programming language with strong career prospects.

86. Give two priority of area of P1?

Challenging Data Exploitation

Building the Global Privacy

Movement Contesting

Surveillance

87. GUI abbreviation?

Graphical user interface

88. Operating system? Module 46,47,48,49,50 from cs101 handout

89. Gramm leach billy act?

The **Gramm-Leach-Bliley Act** requires financial institutions – companies that offer consumers financial products or services like loans, financial or investment advice, or insurance – to explain their information-sharing practices to their customers and to safeguard sensitive data.

90. Three forms of shell?

Bourne **shell** (sh)
Korn **shell** (ksh)
Bourne Again **shell** (**bash**)
POSIX **shell** (sh)

91. **Drop cap from MS Word?**

Select the first character of a paragraph.
Go to INSERT > **Drop Cap**.
Select the **drop cap** option you want. To create a **drop cap** that fits within your paragraph, select **Dropped**. To create a **drop cap** that is **in** the margin, outside of your paragraph, select **In** margin.

92. **Content at the top of every page of document?**
Header appears at the top of every page.

93. **Content at the bottom of every page of document?**

94. **Obstacles?**
a thing that blocks one's way or prevents or hinders progress.

95. **Variable?**
High-level programming languages allow locations in main memory to be referenced by descriptive names rather than by numeric addresses. Such a name is known as a variable,

96. **Data structure?**
variables in a program are often associated with data structure, which is the conceptual shape or arrangement of data. For example, text is normally viewed as a long string of characters, whereas sales records might be envisioned as a rectangular table of numeric values, where each row represents the sales made by a particular employee and each column represents the sales made on a particular day.

97. **Array?**
One common data structure is the array, which is a block of elements of the same type such as a onedimensional list, a two-dimensional table with rows and columns, or tables with higher dimensions. To establish such an array in a program, many programming languages require that the declaration statement declaring the name of the array also specify the length of each dimension of the array. For example, Figure 94 displays the conceptual structure declared by the statement

98. **Arithmetic operator?**
Subtraction can be simulated by addition and negation like in 2’s complement notation 7 -5 would be 7 + (-5) which means the binary of 7 will be added to binary of -5 a

99. **Requirement analysis?**

Requirements Analysis: The software life cycle begins with requirements analysis— the goal of which is to specify what services the proposed system will provide, to identify any conditions (time constraints, security, and so on) on those services, and to define how the outside world will interact with the system.

100. **Software engineering?**

Working with mobile operating systems such as iOS and **Android**, developers design, code, test, debug and document the mobile application development process. A degree in **computer** science or **computer engineering** is recommended.

101. **Waterfall model?**

The waterfall model is a breakdown of project activities into linear sequential phases, where each phase depends on the deliverables of the previous one and corresponds to a specialization of tasks. The approach is typical for certain areas of engineering design.

102. **Prototyping?**

Incremental and iterative models sometimes make use of the trend in software development toward prototyping in which incomplete versions of the proposed system, called prototypes, are built and evaluated. In the case of the incremental model these prototypes evolve into the complete, final system, a process known as evolutionary prototyping. In a more iterative situation, the prototypes may be discarded in favor of a fresh implementation of the final design. This approach is known as throwaway prototyping. An example that normally falls within this throwaway category is rapid prototyping in which a simple example of the proposed system is quickly constructed in the early stages of development. Such a prototype may consist of only a few screen images that give an indication of how the system will interact with its users and what capabilities it will have.

103. **Coupling and cohesion?**

The term cohesion refers to this internal binding or, in other words, the degree of relatedness of a module's internal parts. To appreciate the importance of cohesion, we must look beyond the initial development of a system and consider the entire software life cycle

104. **Pareto principle?** Thus, by identifying these modules and testing them more thoroughly, more of the system's errors can be discovered than if all modules were tested in a uniform, less-thorough manner.

This is an instance of the proposition known as the Pareto principle.

Copyright and patent law?

105. **Copyright** protects original works of authorship, while a **patent** protects inventions or discoveries. Ideas and discoveries are not protected by the **copyright law**, although the way in which they are expressed may be.

Node? type

106. Each position in a tree is called a node (Figure 106). The node at the top is called the root node (if we turned the drawing upside down, this node would represent the base or root of the tree). The nodes at the other extreme are called terminal nodes (or sometimes leaf nodes). We often refer to the number of nodes in the longest path from the root to a leaf as the depth of the tree. In other words, the depth of a tree is the number of horizontal layers within it.

107.

Pointer?

A pointer is a storage area that contains such an encoded address. In the case of data structures, pointers are used to record the location where data items are stored. For example, if we must repeatedly move an item of data from one location to another, we might designate a fixed location to serve as a pointer. Then, each time we move the item, we can update the pointer to reflect the new address of the data. Later, when we need to access the item of data, we can find it by means of the pointer. Indeed, the pointer will always "point" to the data.

108.

Data-base?

Database, also called electronic database, any collection of data, or information, that is specially organized for rapid search and retrieval by a computer. Databases are structured to facilitate the storage, retrieval, modification, and deletion of data in conjunction with various data-processing operations. A database management system (DBMS) extracts information from the database in response to queries.

109. **Schema, sub schema?**

A schema is a description of the entire database structure that is used by the database software to maintain the database. A subschema is a description of only that portion of the database pertinent to a particular user's needs. For example, a schema for a university database would indicate that each student record contains such items as the current address and phone number of that student in addition to the student's academic record.

110.

Information hiding?

One of the cornerstones of good modular design is captured in the concept of information hiding, which refers to the restriction of information to a specific portion of a software system

Design pattern?

111. A design pattern is a pre-developed model for solving a recurring problem in software design. For example, the Adapter pattern provides a solution to a problem that often occurs when constructing software from prefabricated modules.

112. Software quality?

Whereas software quality assurance is now recognized as a subject that permeates the entire development process, testing and verification of the programs themselves continues to be a topic of research. In module 107, we discussed techniques for verifying the correctness of algorithms in a mathematically rigorous manner but concluded that most software today is “verified” by means of testing. Unfortunately, such testing is inexact at best. We cannot guarantee that a piece of software is correct via testing unless we run enough tests to exhaust all possible scenarios. But, even in simple programs, there may be billions of different paths that could potentially be traversed. Thus, testing all possible paths within a complex program is an impossible task.

113. SQA?

Software quality assurance

114. Testing?

In the traditional development phase of the past, testing was essentially equated with the process of debugging programs and confirming that the final software product was compatible with the software requirements specification. Today, however, this vision of testing is considered far too narrow. Programs are not the only artifacts that are tested during the software development process. Indeed, the result of each intermediate step in the entire development process should be “tested” for accuracy. Testing is now recognized as only one segment in the overall struggle for quality assurance, which is an objective that permeates the entire software life cycle. Thus, many software engineers argue that testing should no longer be viewed as a separate step in software development, but instead it, and its many manifestations, should be incorporated into the other steps, producing a three-step development process whose components might have names such as “requirements analysis and confirmation,” “design and validation,” and “implementation and testing.”

115. What is the purpose of mnemonic system?

Mnemonic systems are techniques or strategies consciously used to improve memory. They help **use** information already stored in long-term memory to make memorization an easier task.

A **mnemonic** is a tool that helps us remember certain facts or large amounts of information. They can come in the form of a song, rhyme, acronym, image,

receptionist

phrase, or sentence. **Mnemonics** help us remember facts and are particularly useful when the order of things is important.

116. What is a machine independent language? Name two.

Programming language such as C++, fortran, or pascal that enable a programmer to wrote program that are more or less independent of a particular type of computer. Such languages are considered as high level language because they are closer to human language and further from machine language.

CS101 INTRODUCTION TO COMPUTING

FINAL TERM SOLVED MCQ AND SHORT QUESTION ACCORDING TO NEW UPDATED COURSE OF VIRTUAL UNIVERSITY OF PAKISTAN

2020-2021

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CS101 Introduction to Computing

Final Solved MCQ and Short Question

A computer translator is best described as:

Application software

System software

Hardware

Windows

Which of the following data type will be used for a variable having whole numeric values.

Integer

Float

Character

Boolean

What is the output of the following code?

```
int sum =25;
if ( sum >= 20 )
cout<<"You win ";
if ( sum < 20 )
cout<<"You lose  ";
cout<<"the prize.";
```

You win

You win the prize.

You lose

You lose the prize.

What will be the output of =COUNTIF(A2:A6,”>=71”) formula on the given Excel table:

	A
1	**Test Score**
2	65
3	71
4	89
5	21
6	71
7	34
8	81

4

5

3

2

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\Each pass through a loop is called a(n)____.

Iteration

Exception

Algorithm

Condition

TUG robot can carry medications of _____ kg.

300

350

400

450

The field of NLP tends towards which direction:

Theoretical

Engineering

AI

Business

Which of the following is a BLOCK element of HTML?
<img>

<a>

<table>

<td>

_____ is a hand-coding environment for writing and editing HTML and JavaScript in Adobe Dreamweaver.

Live view

Code view

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Split view

Document view

XML stands for?
Extra Modem Link

Example Markup Language

Extensible Markup Language

X-Markup Language

Compilers and Editors come under which type of software?

System software

Application software

Scientific software

Operating systems

In which stage of SDLC, interaction of the system with outside world is defined.

Testing

Requirements analysis

Design

Implementation

In the earlier computers, the algorithm was the part of _____.

Main memory

Primary memory

CPU

Registers

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Previously, computers were based on dedicated CPUs, those CPUs performed _____.

Data manipulation

Multiple tasks

Only one task

Basic operation

Which of the following is not the primary area of concern in design phase?

Architecture

Data

Interface

Program specification

Which of the following testing technique focuses on the functional requirements of the software?

Black box testing

White box testing

Control structure testing

Green box testing

Which of the following symbol is used for grouping in a pseudo code.

()

[]

{}

“”

Hearing loss due to computer is more common in those listening to:

High volume

Consistent volume

Inconsistent volume

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Headphones

Consider the XML statement <staff clef = "treble"></staff> and tell what is the value of attribute in the statement?

Staff
Clef
Treble
</staff>

Specific legal rights which protect the owners of IP are:

IPR

OPR

Owners right

Copyright

Privacy uses the theory of:
Private right

Natural right

Personal right]

Artificial right

Generally the _____ technique is used to transmit passwords securely over the internet.

Protocol
Encryption
Extinction
Security

DVD stands for _____.
Digital Versatile Disk
Desktop Versatile Disk
Dot Versatile Disk
Domestic Versatile Disk

MS word is part of:

OS
Microsoft Windows
Utility programs

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Microsoft office

Buttons to increase and decrease size of text are available on:

Paragraph group

Font group

Design group

All of the given

Font effects include:

Italicize

Format paint

Bullets

All of the given

What will be the output of =MIN(A6:A8) formula on the given excel table:

	A
1	Test Score
2	65
3	71
4	89
5	21
6	71
7	34
8	81

21

34

71

17

Shortcut key to insert a new comment in MS word is:

Shift + F2

Shift + F3

Alt + Shift + C

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Alt + Shift + T

We can store _____ samples per second for long distance telephone communication.

7000
8000
8500
9000

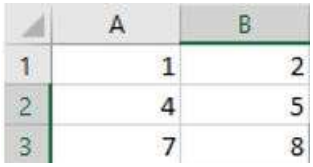
Address of cell containing value "8" in spread sheet given below is:



	A	B
1	1	2
2	4	5
3	7	8

3B
A3
B3
B8

Address of cell containing value "5" in spreadsheet given below is:



	A	B
1	1	2
2	4	5
3	7	8

2B
B5
B2
B3

An interrupt converts the CPU to privileged mode and transfers control to _____ within the operating system.

Interrupt handler
Scheduler
Dispatcher
Memory manager

Page group options include:

Font
Page margins
Page break
All of these

Title page of the document is called:

Cover page
Start page
Header

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Footer

When we share the document with others and want them to understand it easily we can add:

Header
Footer
Numbering
Comments

With object option we can add _____ in MS word document:

Word document
Excel sheet
Presentation slide
All of given

A one-dimensional array with _____ elements could be used to store the number of times each alphabet letter occurs in a page of text.

16
20
26
32

Inserting a new entry at the top of a stack is called _____ an entry.

Pushing

Popping

Inserting

Exiting

We often refer to the number of nodes in the longest path from the root to a leaf as the _____ of the tree.

Head
Root
Depth
Siblings

The nodes at the other extreme are called _____nodes.
Head

Terminal

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Siblings

Root

: A hard drive has 1 Giga byte storage.

1) **How many bytes can store in 1Mega byte?**
2) **How many bytes can store in 1 Kilo byte?**

ANS:

3) How many bytes can store in 1Mega byte?

   1048576 bytes

4) How many bytes can store in 1 Kilo byte?

   1024 bytes

Table is an important feature of MS-word. Which ribbon or tab allows us to add table?

ANS:

Insert tab:

Insert Tab is the second tab in the Ribbon. As the name suggests, it is used to insert or add extra features in your document. It is commonly used to add tables, pictures, clip art, shapes, page number, etc.

In computer science, coupling is considered to be the degree to which each program module relies on other modules. You are required to write the name of coupling which refers to the sharing of data between modules?

ANS:
The form of inter-module coupling is **data coupling**, which refers to the sharing of data betweenmodules.

Given below are the excel spreadsheet formulas. Correct these formulas if there is any error.
1. =MIN(C36+E36+E7)
2. =AVERAGE(3E, 8E)

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ANS:
Correct form of MIN:
=MIN(C36, E36, E7)
Correct form of AVERAGE:
=AVERAGE(3E:8E)

A list is a collection, whose entries are arranged sequentially. There are two special types of lists; you are required to write the name of those lists.
ANS:
1.Stack
2. Queue

Considering the excel table given below:

	A	B	C
1	Name	Physics	English
2	Naveed	74	59
3	Iqbal	23	25
4	Ali	37	74
5	Usama	19	63
6	Mehmood	48	34
7	Nabil	56	27
8	Waseem	29	18

ANS:

A. Write MS Excel Formula to find all those students who have obtained marks greater than 33 in English. Also write its output.

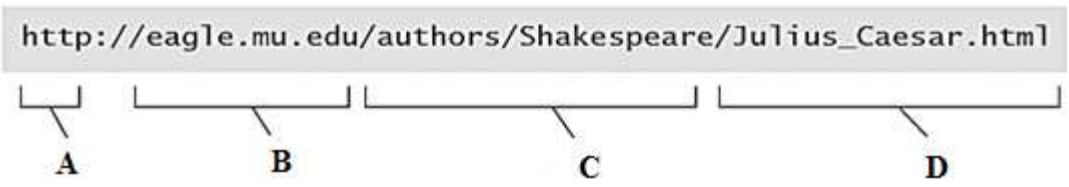
ANs:

B. Write MS Excel Formula to find the highest marks obtained in Physics. Also write its output.

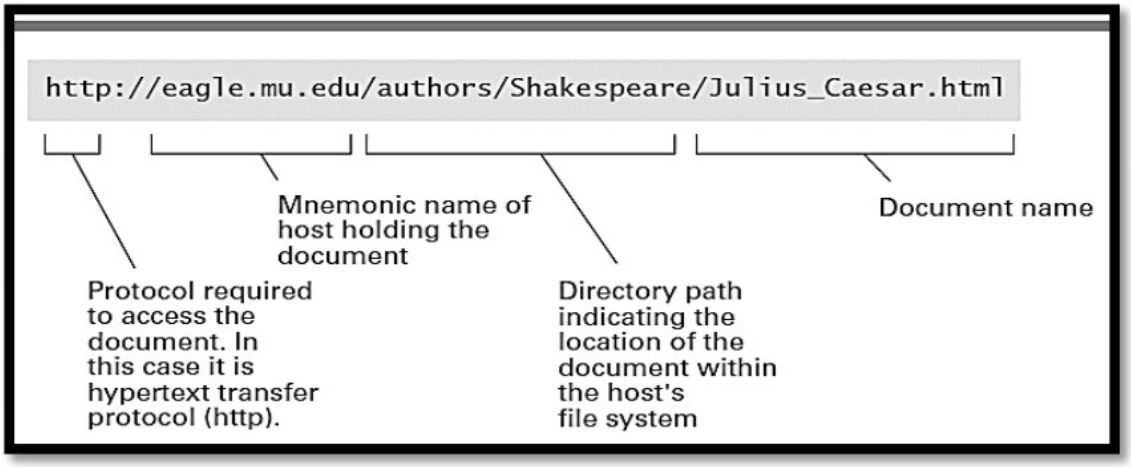
A modern testing methodology has been introduced in software development life cycle to improve the traditional approach. You are required to write the name of phases of modern testing methodology in software development life cycle.
ANS:
1. Requirement => Testing
2. Design => Testing
3. Build & Execution => Testing
4. Test => Testing
5. Installation => Testing
6. Maintenance => Testing

Below is the diagram in which a URL is given and it is divided into four segments (A, B, C, D). Your task is to write down the names of these four segments.

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ANS:



You are required to mention any five categories in which IPR can be subdivided.

ANS:

Patent

Copyright

Database right

Design right

Trademark

Confidential information

What is the procedure of entering an excel spreadsheet in Microsoft word document?

ANS:

To insert an Excel worksheet into a Word document, place the insertion marker into the document location where you want to show the worksheet data. Then click the “Table” button in the “Tables” button group on the “Insert” tab of the Ribbon. Then click the “Excel Spreadsheet” command in the button's drop-down menu.

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In imperative paradigm, we start with finding a(n)…….. and then express this as sequence of……

Algorithm, commands

Algorithm, pseudo code

pseudo code, commands

Commands, Algorithm

Which of the following language is not related to functional paradigm.

LISP

ML

Scheme

APL

The symbol "<<" is known as_____ operator.

Insertion

Extraction

Assignment

Relational In '11001101', identify the mantissa field:

1100

1101

1001

100

ISP stands for _____.

Intermediate Service Provider

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Internet Service Provider

International Service Interface Service Provider

Provider

Cluster computing describes a distributed system in which many _____ computers work closely together to provide computation.

Dependent

Independent

Isolated

Quantum

Robots in comparison of humans are able to take blood from the veins:
accurately

inaccurately

only small amount

inexactly

When you search 'jaguar' on Google then, it will show the result of car and _____.
Bird

Parasite

Reptile

Animal

We write _____ operator then it will try to search all terms individually.
Intitle

Allintitle

Inurl

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Intext

A test that shows the performance of AI model is called _____:
Intelligence test

Alan test

Turing test

Turning test

The problems associated with general image analysis are:
Less

Enormous

Not common

Reduced

To understand natural language humans rely on:

Grammar

Computer

AI

additional knowledge

Which operators are used to compare the values of operands to produce logical value in C language?

Relational operator

Logical operator

Assignment operator

Arithmetic operator

A Software consists of _____.
Programs + hardware manuals

Set of instructions + operating procedures

Set of programs

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Programs + documentation + operating procedures

Which of the following is the first phase of software development life cycle?
Testing

Requirements analysis

Design

Implementation

The importance of software design can be summarized in a single word which is:

Efficiency

Accuracy

Quality

Complexity

Which of the following is not related to White-Box testing.

Structural testing

Code-Based Testing

Clear box testing

Boundary value analysis

In RGB, we have _____ bytes.
4

2

3

6

Content filtering can be used to implement company's:

Content

Policies

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Impact

Privacy

Formulas in excel start with?
#

%

=

+

An important component within today's GUI shells is the _____.

Window manager

Task manager

User manager

Interface manager

In Excel, Rows are labelled as _____.
A,B,C, etc.

1,2,3, etc.

A1,A2, etc.

A1,A2, etc.

Example of combination command is:

Change case control

Bold

Underline

Italic

If we have pasted the text in wrong line and want to cancel this action we can use _____ command.

Redo

Undo

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Cut

Cancel

We can perform sort from group:
Insert

Clipboard

Font

Paragraph

Shortcut key to insert a new comment in MS word is:

Shift + F2

Shift + F3
Alt + Shift + C
Alt + Shift + T
Which one of the following will not be considered as the use of Word Processor?
Composing Magazines
Writing Memos
Making Ledgers

Writing Research Reports

In styles menu we can:

Create style

Apply style

Modify style

All of these

Sniffing software records user activates and report them to _____

Authorized user

Super user
System administrator
Intruder
When we want to move to a bookmark we select it and click on button:

Go To
Move
Add

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Ok

What will be the output of the following excel formula? If A1=4, B1= 6, C1= 2

=(B1^(A1-C1))/2

36

18

12

48

What will be the output of the following excel formula? B1= 5, C1= 2

=(B1^C1)/2

25

12.5

50

10

What will be the output of the following excel formula? If A1=11, C1= 2

=(A1-C1)*2

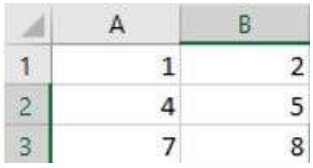
-18

9

18

10

Address of cell containing value "4" in spread sheet given below is:



	A	B
1	1	2
2	4	5
3	7	8

3B

A3

A2

A4

We can insert a preformatted sidebar text box through:

Styles

Text box

Design

Text Style

When we are using themes in MS-word the tooltip indicates _____ theme:

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Previous

Upcoming

Current

Disabled

The SELECT operation extracts _____ from a relation.

a cell

rows

columns

table

A one-dimensional array with _____ elements could be used to store the number of times each alphabet letter occurs in a page of text.

16

20

26

32

A _____ array consists of multiple rows and columns in which positions are identified by pairs of indices.

1-dimensional

2-dimensional

3-dimensional

non of above

The simplest form of array is the _____array.

1-dimensional

2-dimensional

3-dimensional

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Multi-dimensional

You are using a programming paradigm in which a software system is viewed as a collection of units and each unit is capable of performing the actions that are immediately related to itself. Together, these units interact to solve the problem at hand.

What is the name of the paradigm?

ANS:

object-orientedprogramming (OOP)

Considering the excel table given below:

	A	B
1	Fruit	Qty in stock
2	Apple	366
3	Mango	476
4	Orange	398
5	Pineapple	982
6	Grape	354
7	Melon	534
8	Banana	408

Write excel formula to find the lowest quantity in stock according to above table. Also write its output.
ANS:
=MIN(B2:B8)

Problem solving is done by the two most popular methodologies practice in the algorithm designing. Write down the names of these methodologies only.

ANS:

top-down methodology

bottom-up methodology

You are required to name the options for the following tasks.

ANS:

1. Content at the top of every page of the document.

   ANS: Header

2. Content at the bottom of every page of the document.

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ANS: Footer

Write the select query for the following statement:

- Select all the teachers whose **publications** are greater than 5, from the **teacher** table

ANS:

SELECT teachers FROM teacher WHERE publications > 5;

Considering the excel table given below:

	A	B	C
1	Name	Physics	English
2	Naveed	74	59
3	Iqbal	23	25
4	Ali	37	74
5	Usama	19	63
6	Mehmood	48	34
7	Nabil	56	27
8	Waseem	29	18

A. Write MS Excel Formula to find all those students who have obtained marks greater than 33 in English. Also write its output.

B. Write MS Excel Formula to find the highest marks obtained in Physics. Also write its output.

What are the Binary arithmetic operators? Write the arithmetic forms and operations.

ANS:

There are six binary arithmetic operators: addition, subtraction, multiplication, exponentiation (**), division, and modulus (%).

Notice that every tenth item is printed. By changing the value on the right side of the modulus operator, you can affect how many items are processed before the message is printed.

Represent the following bit pattern in binary decimal.

ANS:

Hexadecimal	**Binary Decimal**
B629	Binary: 1011011000101001

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	Decimal: 46633
BF87	Binary: 1011111110000111 Decimal: 49031
C052	Binary: 1100000001010010 Decimal: 49234
79A5	Binary: 111100110100101 Decimal: 31141
659E	Binary: 110010110011110 Decimal: 26014

How many types of command a ribbon has? Mention them.

ANS:

The Ribbon has three types of Commands:

- Simple Buttons
- Drop-down menus Buttons
- Launchers (or Dialog Expanders) Buttons

Write the output of the following queries.

ANS:

1. Select * from Student where GPA<1.5

   ANS: all students who has cgpa less than 1.5.

2. Select * from Student where name=”David”

   ANS: all students whose name is David.

3. Select * from employee where salary=10,000

   ANS: all employees whose salary is equal to 10,00.

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CS 101 updated Final Terms

Subjective

1. What is Cyber Crime?

Crimes committed with the use of computers or relating to computers, especially through the Internet. Universally, Cyber Crime is understood as "an unlawful act where in the computer is either a tool or a target or both". Cyber Crimes are different from conventional crimes as in cyber crimes; the crime is committed in an electronic medium and here mens rea is not a requirement but is rather a general rule under the penal provisions of the Information Technology Act. The element of mens rea in Internet crimes is that the offender must have been aware at the time of causing the computer to perform the function that the access thus intended to be secured was unauthorized.

2. What is the use of Ms Access?

MS Access is a Data Base Management System (DBMS) by Microsoft.A DBMS is a software package by which you can develop a database. You can insert, delete and update data into that database. You can develop reports and forms too.

3. Differentiate between 3-D and 2-D?

2D Graphics means showing graphics in two axis. Most of the graphics you see are 2D Graphics. 3D Graphics means showing Graphics in 3 axis.

4. What is Robotics?

Automatic machines that perform various tasks that were previously done by humans. Example: –Pilot-less combat airplanes –Land-mine hunters –Autonomous vacuum-cleaners.

5. What are MVS & VMS?

MVS is an operating system for mainframe computers. Both VMS and MVS are multi-user operating systems.

6. What is the use of SDLC?

System Development Life Cycle (SDLC) is the overall process of developing information systems through a multi step process from investigation of initial requirements through analysis, design, implementation and maintenance.

7. What are bitmap graphics and vector graphics and difference between them?

In Vector Graphics A shape maintains its identity i.e. it doesn't mix in other shapes. Shapes of Vector Graphics are independent of Resolution. Size of Vector Graphics files is very small. In bitmap Graphics A shape does not

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maintain its identity i.e. it is mixed in other shapes. Shapes of Vector Graphics are not independent of Resolution i.e. they lose quality on different resolution. Size of Vector Graphics files is not much small.

8. What is the difference between "Compiler" and "Interpreter"? (V.IMP)

A compiler is a special program that processes statements written in a particular programming language (source code) and turns them into machine language or "code" that a computer's processor uses. Compiler converts the source code into object code only once. It doesn't need every time this conversion while execution. Interpreter does the same thing but it converts the code line by line each time while executing the program.

9. What is difference between Design and Architecture?

The software architecture of a program or computing system is the structure or structures of the system, which comprise software components, the externally visible properties of those components, and the relationships among them. By "externally visible" properties, we are referring to those assumptions other components can make of a component, such as its provided services, performance characteristics, fault handling, shared resource usage, and so on. The intent of this definition is that a software architecture must abstract away some information from the system (otherwise there is no point looking at the architecture, we are simply viewing the entire system) and yet provide enough information to be a basis for analysis, decision making, and hence risk reduction. First, architecture defines components. The architecture embodies information about how the components interact with each other. This means that architecture specifically omits content information about components that does not pertain to their interaction.

10. What is the difference between the application & system softwares? (V.IMP)

System software is program that generally performs the background tasks in a computer. These programs, many times, talk directly to the Hardware e.g. Operating system software, Device drivers while Application software are programs that generally interact with the user to perform work that is useful to the user. These programs generally talk to the hardware through the assistance of system software e.g., scientific, business application.

11. What is the different between HYPERLINK and HYPER MEDIA?

Essentially, hypermedia is the modern extension of hypertext, the hyperlinked, text–based documents of the original Internet. Hypermedia attempts to offer a working and learning environment that parallels human thinking—that is, one in which the user can make associations between topics, rather than move sequentially from one to the next, as in an alphabetic list. An image or portion of text on a Web page that is linked to another Web page, either on the same site or in another Web site is called Hyperlink. via email means through email.

12. What is difference b/w JavaScript, JScript and HTML ?

JavaScript is a platform-independent, event-driven, interpreted programming language developed by Netscape Communications Corp. and Sun Microsystems. JavaScript is useful for adding interactivity to the World Wide Web because scripts can be embedded in HTML files (i.e., web pages) simply by enclosing code in a tag pair. All modern browsers can interpret JavaScript -- albeit with some irritating caveats. (More about them below).In practice, JavaScript is a fairly universal extension to HTML that can enhance the user experience through event handling and client-side execution, while extending a web developer's control over the client's browser. JScript is

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approx. same except it is from Microsoft Corporation. HTML stands for the HyperText Markup Language. HTML is the major language of the Internet's World Wide Web. Web sites and web pages are written in HTML. With HTML and the world wide web, you have the ability to bring together text, pictures, sounds, and links... all in one place! HTML files are plain text files, so they can be composed and edited on any type of computer... Windows, Mac, UNIX, whatever.

13. What is a word processor?

A program used to create, format, modify, save for later use and print documents. The key advantage of word processor is its ability to make changes easily, such as correcting spelling, changing margins, or adding, deleting, and relocating entire blocks of text. Once created, the document can be printed quickly and accurately and saved for later modifications.

14. What is firewall?

A firewall is a security-conscious piece of hardware or soft-ware that sits between the Internet and your network with a single-minded task: preventing them from getting to us. The firewall acts as a security guard between the Internet and your local area network (LAN).

15. Please explain the Turning Machine in a bit detail. How did it play part in evolution of computer?

It was introduced by Alan Turing in 1936, Turing machines are one of the key abstractions used in modern computability theory, and the study of what computers can and cannot do. A Turing machine is a particularly simple kind of computer, one whose operations are limited to reading and writing symbols on a tape, or moving along the tape to the left or right. The tape is marked off into squares, each of which can be filled with at most one symbol. At any given point in its operation, the Turing machine can only read or write on one of these squares, the square located directly below its "read/write" head.

16. What is word processing and desktop top publishing?

The art and science of converting written information into a form that looks pleasing when printed is called Word Processing. A combination of word processing and graphic design is called Desktop Publishing. Used to develop elegant documents –Examples: •Adobe PageMaker •Quark Press •Corel Ventura •MS Publisher

17. What is the difference between "Object based Language" and "Object Oriented Language"?

Object oriented language supports inheritance, polymorphism etc, while object based don't. Object based languages use objects having their attributes / properties which can be modified according to our requirements.

18. What is a Webpage?

A web page is nothing more than a file, a HTML file to be exact. It's called HTML because web page documents have the file extension .html or .htm.

19. Why JavaScript variables are dynamically typed?

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Dynamically typed variables can hold any type of data and it could contain data of different type midway of program. It is simple to develop for short programs. As your question is concerned, I would like to say that each programming language has its own features depending on the requirements of the tasks for which that particular language is developed.

20. What are the classifications of Cyber Crime?

Tampering with computer source documents: Hacking: Publishing of information, which is obscene in electronic form accessing protected system Breach of confidentiality and privacy.

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