1. How long is an IPv6 address?
1. 32 bits   2. 128 bytes   3. 64 bits
4. 128 bits   5. None of these
An IPv6 address is 128 bits long.

2. What flavor of Network Address Translation can be used to have one IP address allow many users to connect to the global Internet?
1. NAT   2. Static   3. Dynamic
4. PAT   5. None of these
Port Address Translation (PAT) allows a one-to-many approach to network address translation.

3. Which protocol does DHCP use at the Transport layer?
1. IP   2. TCP   **3. UDP**
4. ARP   5. None of these
User Datagram Protocol is a connection network service at the Transport layer, and DHCP uses this connectionless service.

4. Where is a hub specified in the OSI model?
1. Session layer   **2. Physical layer**
3. Data Link layer   4. Application layer
5. None of these
Hubs regenerate electrical signals, which are specified at the Physical layer.

5. The first version of UNIX was written by___.
1. Dennis Ritchie   2. Ken Thompson
3. Both A and B   4. Rasmus Lerdorf
5. None of these
Unix is a family of multitasking, multiuser computer operating systems that derive from the original AT&T Unix, developed starting in the 1970s at the Bell Labs research center by Ken Thompson, Dennis Ritchie, and others.

6. Advanced word processing features include all except creation of _____
1. Alternate headers and footers.
2. detailed architectural drawings
3. columns   4. style sheets   5. None of these
Advanced word processing features include all except creation of detailed architectural designs.

7. A _____ is a component of motherboard which absorbs the heat produced by the processor and other components of a computer.
1. Heat sink   2. Northbridge   3. CPU socket
4. CMOS battery   5. None of these
A heat sink is a component of a motherboard which absorbs the heat produced by the processor and other components of a computer.

8. When a command is not available for selection until certain other conditions are met, it is called a(n):
1. Dimmed command   2. Unavailable command
3. Dialog box   4. all of these
5. None of these
Dimmed command is a command is not available for selection until certain other conditions are met.

9. The first computers were programmed using which of the following language.
1. Assembly language   **2. Machine language**
3. Source code   4. Object code
5. None of these
First computers were programmed using machine language.

10. ___ is the part of Operating System that is responsible for interacting with the hardware .
1. Shell   2. Root
3. Kernel   4. All of the above

11. Kernel lies in the center of the operating system which manages the communication b/w the user level applications and the hardware installed on the system.

12. A _____ is a part of Operating System that gives a user, interface to various operating system functions and services
1. Kernel   2. Root
3. Shell   4. None of the Above
A shell is simply a software the gives a user, interface to various operating system functions and services. So, in layman words "Your interface to operating system is called shell". Shells provide a way for you to communicate with the operating system.

13. In the active cell of MS Excel, the _____ is a small black box at the bottom right corner.
1. Locator   **2. fill handle**
3. Filler   4. black box   fill handle

14. A _____ is a type of label or metadata tag used on social network and microblogging services

which makes it easier for users to find messages with a specific theme or content
1. Hashtag   2. Colontag
3. slashtag   4. Htmltag

15. Which of the following is a content development platform for website creation?
1. WordPress   2. Joomla
3. Drupal   **4. All of these**
Here are some more such platform:
ExpressionEngine., TextPattern,Radiant CMS,Cushy CMS, SilverStripe.

16. _____ is a feature that automatically moves a word that is too long to fit on a line to the beginning of the next line.
1. text wrap   2. paragraph wrap
3. word wrap   4. alphabet wrap

17. A _____ is a computer that offers a computer network service to allow clients to make indirect network connections to other network services.
1. Node   **2. proxy server**
3. Cluster   4. Domain

18. Which of the following is not a valid chart type in MS Excel 2016?
1. Funnel Chart   2. Pareto Chart
3. Waterfall Chart   **4. All are valid chart**

19. What is the shortcut key to open Windows Explorer in Windows Operating System?
1. Ctrl + E   2. Alt + E
3. Shift + E   **4. Windows Key + E**

20. Which of the following is illegal on internet?
1. Watching Youtube video
2. Downloading content from Torrent
3. Uploading self-created content to content hosting websites   4. All of these

21. Which of the following is the short cut key combination that can be used to type in bold in MS Excel?
1. Ctrl + Down Arrow Key
2. Ctrl + 2   3. Ctrl + 3
4. Ctrl + 4   5. Shift+Alt
Ctrl + 2 is the shortcut key that can be used to type text in bold in Excel.

22. Which of the following supports 32-bit processor?
1. Windows 2000   2. Windows 7

3. Windows 8.1   **4. All of the above**
5. None of these
All of the given s support 32-bit processor

23. Which of the following types of menu shows the further sub-choices?
1. Reverse   2. Template   3. Scrolled
4. Rapped   **5. Pull-down**
Pull down menu shows further sub-choices.

24. Which type of virus is generally scripted into common application programs like Excel and Word to infect the other documents and spreads to the other parts when the application is running?
1. Macro Viruses   2. File infector virus
3. Resident Viruses   4. Boot virus   5. Worms
A macro virus is a computer virus that "infects" a Microsoft Word or similar application and causes a sequence of actions to be performed automatically when the application is started or something else triggers it.

25. Name the input device from the given s, that cannot be used to work in MS Office?
1. Scanner   2. Mouse   3. Keyboard
4. Joy stick   5. All of the above
Joystick is used for gaming purpose and MS Word is a text editing application.

26. Which of the following describe router functions?
1. Packet switching   2. Packet filtering
3. Internetwork communication
4. Path selection   **5. All of the above**
All of the given s are router functions.

27. Functions of keys F1, F2 and F3 are _____ respectively.
1. activating menu bar, search and renaming selected icon
2. search, reboot and activating menu bar
3. activating help, renaming selected icon and search
4. reboot, activating help and refresh
5. activating help, reboot, renaming selected icon
Functions of keys F1, F2 and F3 are activating help, renaming selected icon and search respectively.

28. What is the correct association between a hardware component and a computer function?
1. Monitor > input   **2. Mouse > input**
3. CPU > storage   4. Hard disk > processing
5. None of these
Mouseis a hardware component which is an Input device.

29. _____is the process of carrying out commands.
1. Fetching   2. Storing
3. Decoding   **4. Executing**
5. None of these
In the machine cycle steps illustrated in the accompanying figure, Executing is the process of carrying out commands.

30. To allow someone else schedule your meetings and appointments, _____ feature of Outlook is used
1. Monthly calendar   2. Event manager
3. Appointments   **4. Delegate Access**
5. None of these
Delegate Access is most commonly used between a manager and his or her assistant, where the assistant (delegat5. is responsible for processing the manager's incoming meeting requests or e-mail messages and coordinating the manager's schedule. This article assumes that scenario for explaining the feature; however, Delegate Access can be used between peers.

31. A byte can represent any number between 0 and
1. 8   **2. 255**   3. 256
4. 1024   2^8 -1 =255

32. When a computer receives analog data to understand it the computer first _____
1. scans it for virus   2. sends it to RAM
3. converts it into digital form
4. None of these

33. Expansion slot serves the purpose of _____.
1. To remove unnecessary device
2. To add extra device
3. To provide external power supply
4. All of these

34. Which of the following is not a valid operator in Boolean Algebra?
1. NAND   2. NOR
3. XOR   **4. XAND**

35. What does K stands for in K-map in Boolean algebra?
1. KLIP   2. Kernel
3. Karnaugh   4. Keyboard

36. What does U stands for in UMA in computer architecture?
1. Unilateral   2. Unstructured
3. Uniform   4. Unicode
Uniform Memory Access

37. A ____ is a set of computer which are interconnected to perform any task as a single unit.
1. Grid   2. Unit
3. Cluster   4. Blog
This is the definition of cluster.

38. Find the odd one out
1. Laser Printer   2. RAM
3. Monitor   4. ROM
Every other device has storage capacity. Laser printers have small amount of memory to store the pages that they have to print in its buffer memory to enable fast and smooth printing.

39. The human readable form of a program is known as?
1. program code   2. system code
3. analog code   **4. source code**

40. Select the correct order of the memory units.
1. MB>KB>TB>Nibble   2. TB>PB>MB>KB
3. PB>TB>MB>KB   4. MB>KB>PB>TB

41. Language used in a computer that is similar to the languages of humans and is easy to understand is referred to as___.
1. Source code   2. Machine Language
3. High Level Language   4. Object Code
5. Assembly Language
Programs written in a high-level language must be translated into machine language by a compiler or interpreter. Such languages are considered high-level because they are closer to human languages and further from machine languages.

42. A (n) _____ device is any hardware component that allows you to enter data and instruction into a computer.
1. Interaction   **2. input**
3. Communications   4. Output   5. terminal
Input devices are for giving input (entering data/instructions) to a computer.

43. EPROM is generally erased by using _____.
1. ultraviolet rays   2. infrared rays
3. 12V electrical pulse   4. 24V electrical pulse
5. None of these
EPROM is generally erased by using ultraviolet rays.

44. A _____ is a property of the entire relation, rather than of the individual tuples in which each tuple is unique.
1. Rows   **2. Key**   3.attributes
4. Fields   5. None of these
Key is a property of the entire relation (relation is a table).

45. In MS-DOS 6.22, which part identifies that product uniquely?
1. MS   2. DOS   3. MS-DOS
4. 6.22   5. None of these
MS-DOS 6.22; 6.22 is the version number which identifies it uniquely.

46. An electronic device, operating under the control of instruction that can accept and process the data, produce output and store the results for future use is called _____.
1. Input   **2. Computer** 3. software
4. Hardware   5. None of these
Computer is an electronic device operating under the control of instruction that can accept and process the data, produce output and store the results.

47. The insert, cap lock and num lock all are examples of _____ keys.
1. Control   2. Function   **3. toggle**
4. Shortcut   5. None of these
The insert, cap lock and num lock are all examples of Toogle keys. A toggle key toggles the input from a group of keys on a keyboard between two different input modes.

48. In which technique, data is stored in several disk units by breaking them into similar pieces and storing each piece in separate disk?
1. EDI   **2. RAID**   3. DISK
4. FLOPPY   5. None of these
Redundant Array of Independent Disks (RAID) is a technology that provides increased storage functions and reliability through redundancy.

49. Which of the following appropriately relates with starting up an operating system?
1. starting   **2. Booting**   3. entering
4. Formatting   5. None of these
Booting is a startup sequence that starts the operating system of a computer when it is turned on. A boot sequence is the initial set of operations that the computer performs when it is switched on. Every computer has a boot sequence.

50. Video Controller _____.
1. Controls the resolution of images on screen
2. Controls the signals to be sent and received from processor for display
3. Handles the entire electronic work behind the formation of images on the screen
4. Is responsible for allocating pixaels for formation of images
5. Is responsible for the refresh rate of the screen/monitor
A video controller mixing images from frame buffer and video-signal source. There are VLSI chips that implement many of these image display functions.

51. The process of moving page up or down when the content does not fits a single page is known as ?
1. Hyperlinking   **2. Scrolling**
3. Searching   4. Cheking

52. The feature of sending same letter to multiple person provided in word processor software is known as?
1. Letter Sender   2. Letter Package
3. Mail Issuer   **4. Mail Merge**

53. MS-Excel is a ___ package.
1. Database   **2. Spreadsheet**
3. Word Processing   4. Graphics

54. _____ is a file that serves as a starting point for a new document in any software package.
1. Format   2. Graph
3. Template   4. Object
Template fulfills this requirement.

55. _____ is a small-sized type of volatile computer memory that provides high-speed data access to a processor and stores frequently used computer programs, applications and data.
1. Cache memory   2. Virtual Memory
3. Buffer Memory   4. Register

56. A _____ is a system designed to prevent unauthorized access to or from a private network
1. Virus   2. Protector
3. Cluster   **4. firewall**

57. In which type of memory is the content of memory is deleted on power cut?
1. Nonvolatile memory   **2. Volatile Memory**
3. Optical Memory   4. Flash Memory

58. A _____ is a program which looks through its database for information that matches your request.
1. Telnet   2. Packet
3. Search Engine   4. Browser

59. What is the process of dividing a network into two or more networks called?
1. Divider   **2. subnetting**
3. Ethernet   4. LAN

60. A ____ is a software that which allows you to access web pages.
1. Access   **2. Browser**
3. Crawler   4. Applet

61. Which of the following is true when describing a multicast address?
1. Packets addressed to a unicast address are delivered to a single interface.
2. Packets are delivered to all interfaces identified by the address. This is also called a one-to-many address
3. Identifies multiple interfaces and is only delivered to one address. This address can also be called one-to-one-of-many
4. These addresses are meant for nonrouting purposes, but they are almost globally unique so it is unlikely they will have an address overlap.
5. None of these
Packets addressed to a multicast address are delivered to all interfaces identified by the multicast address, the same as in IPv4. It is also called a one-to-many address. You can always tell a multicast address in IPv6 because multicast addresses always start with

62. What layer in the TCP/IP stack is equivalent to the Transport layer of the OSI model?
1. Application   **2. Host-to-Host**   3. Internet
4. Network Access   5. None of these
The four layers of the TCP/IP stack (also called the DoD model) are Application/Process, Host-to-Host, Internet, and Network Access. The Host-to-Host layer is equivalent to the Transport layer of the OSI model.

63. Which of the following is private IP address?
1. 12.0.0.1   2. 168.172.19.39
3. 172.15.14.36   **4. 192.168.24.43**
5. None of these
Class A private address range is 10.0.0.0 through 10.255.255.255. Class B private address range is 172.16.0.0 through 172.31.255.255, and Class C private address range is 192.168.0.0 through 192.168.255.255.

64. The output of an AND gate with three inputs, A, B, and C, is HIGH when _____.
1. A = 1, B = 1, C = 0   2. A = 0, B = 0, C = 0
3. A = 1, B = 1, C = 1   4. A = 1, B = 0, C = 1
5. None of these

65. In order to create column data in Word you need to _____.
1. Tab consecutively until your cursor reaches the desired place
2. Set tabs or use the Table menu
3. You need to use Excel
4. Press the space bar until your cursor reaches the desired place
5. None of these
Most Word users who are old enough to have used a typewriter will have had some experience in setting tab stops in order to position text to line up accurately without having to use multiple spaces.

66. Virtual memory allocates hard disk space to supplement the immediate, functional memory capacity of what?
1. ROM   2. EPROM
3. The registers   4. Extended memory
5. RAM
Most operating Systems support virtual memory, which allocates space on the hard disk to supplement the immediate, functional memory capacity of RAM.

67. The arranging of data in a logical sequence is called ____.
1. Sorting   2. Classifying
3. Reproducing   4. Summarizing
5. None of these
Sorting refers to arranging data in a particular format. Sorting algorithm specifies the way to arrange data in a particular order.

68. A complete electronic circuit with transistors and other electronic components on a small silicon chip is called a(n) ____.
1. Workstation   2. CPU
3. Magnetic disk   **4. Integrated circuit**
5. None of these
An integrated circuit (IC) is a set of electronic circuits on one small flat piece (or "chip") of semiconductor material.

69. Which of the following contains permanent data and gets updated during the processing of transactions?
1. Operating System File
2. Transaction file   3. Software File
4. Master file   5. Any File
Operating System File is a type of file that contains permanent data and gets updated later after creation or even during the processing of transactions.

70. This is not a function category in Excel ____.
1. Logical   **2. Data Series**
3. Financial   4. Text   5. None of these
This is not a function category in Excel Data Series.

A row or column of numbers that are plotted in a chart is called a data series. You can plot one or more data series in a chart.

71. Which of the following key is not present on a normal Keyboard?
1. Shift   2. Alter
3. Control   **4. Scroll Print**

72. Which of the following key combination can be used to scroll between various open windows in Windows Operating System?
1. Shift +Tab   **2. Alt + Tab**
3. Ctrl + Tab   4. Tab + B

73. In MS Word, to indent the first paragraph of our document we use ___ key.
1. Tab   2. control
3. Alter   4. shift

74. You can check the page number and number of characters typed in MS Word in ___ bar.
1. Menu   **2. status**
3. Ribbon   4. title

75. To select a word in MS word, we ___ click on the word.
1. Single   **2. Double**
3. Triple   4. Four

76. Which of the following process is used by the computer to ensure that all the devices connect to it is in working condition?
1. Verifying   2. Hibernating
3. Starting   **4. Booting**

77. The concept of pipelining was introduced in which of the following generation of computer?
1. Second Generation **2. Third Generation**
3. Fourth Generation 4. Fifth Generation
Parallel Process, Pipelining etc were introduced in Third generation.

78. Which of the following is the loopback address?
1. 192.168.1.1   2. 255.255.255.255
3. 127.0.0.1   4. 192.255.254.253
Loopback address is a special IP number (127.0.0.1) that is designated for the software loopback interface of a machine.

79. Which of the following is another name for CPU?
1. Microprocessor 2. Hardware
3. Multitasking   4. Defragmenter

80. A ____ is a self-contained data structure which can be sent over the network.
1. Bundle   **2. packet**
3. Protocol   4. gopher
Packet is a self-contained data structure which can be sent over the network. It contains two part. Header and data.

81. Which of the following statements is true in the context of Watermark?
1. A watermark can only be applied to a single page in a document
2. A watermark is not visible to viewers in a hard copy
3. A watermark is a ghost text
4. The colour of a watermark cannot be changed
5. None of these
A watermark is a ghost text that is set behind the content of a page.

82. Which among the following is a type of device that is used for identifying people by their unique characteristics?
1. biometric device 2. Web camera
3. Joystick   4. Scanner   5. None of these
A biometric device is a type of device that records the unique characteristics such as finger prints because it is impossible to have two different persons with the same fingers prints.

83. A CD player can access data/information using which method?
1. Sequential Access   2. Random access
3. Multivariate Access   4. All of these
5. None of these
All are memory access mechanism which a CD Player can use.

84. Which one of the following statements is not true for data Buffer?
1. A data buffer is a region of a physical memory storage used to temporarily store data
2. A buffer often adjusts timing by implementing a queue (or FIFO) algorithm in memory
3. A majority of buffers are implemented in software, which typically use the ROM to store temporary data
4. Buffers are often used in conjunction with I/O to hardware, such as disk drives, sending or receiving data to or from a network
5. None of these
Majority of buffers use the faster RAM to store temporary data, not the ROM, due to the much faster access time compared with hard disk drives.

85. Which among the following statement is closely related to secondary storage?

1. It is non-volatile and its content remains after power is switched off

2. It does not use magnetic media

3. It consists of four main types of devices

4. It does not store information for later retrieval

5. It's main purpose is to make interconnections of networks

Secondary storage is non-volatile.

86. What is a spooler?

1. Type of printer   2. Peripheral device

3. Program   4. Output device

5. None of these

Spooler is a program in computing that is used to line up print jobs by storing them in the buffer for a short time and allows the printer to print at the time when it is use.

87. Which of the following techniques can be used to store a large number of files in a small amount of storage space?

1. File adjustment   2. File copying

3. File compatibility   **4. File compression**

5. None of these

File compression is the technique used to store the large file in a small storage space. It compresses to content of the file in such a way that there is no harm done on the file content and quality.

88. To which of the following categories do operating systems and debuggers belong?

1. System software   2. Application software

3. Utilities   4. Programming Language

5. All of these

System software is developed to serve as a bridge between the hardware and the user, as the software directly communicates with the hardware. Operating systems and debuggers are two best examples of system software.

89. Which of the following refers to restarting the system when it is already powered on?

1. A strong boot   2. Hibernation

3. A cold boot   4. Standby mode

5. A warm boot

A restart operation can be carried out by reloading the Operating system while the device is still running. Usually it is carried out by Ctrl +Alt + Delete. Warm boot doesn't power off and on and doesn't erase the memory

90. Every computer connected to an intranet or extranet must have a distinct_____

1. Firewall   2. proxy server

3. IP address   4. domain name

5. None of these

An Internet Protocol address (IP address) is a numerical label assigned to each device participating in a computer network that uses the Internet Protocol for communication.

91. The will be the output when AND operator is applied on inputs 1 and 0 (i.e 1 AND 0)?

1. 1   2. 0   **3. Can be either 0 or 1**

4. None of these

If any input is 0 in AND, output will be 0.

92. Which of the following operation is not performed by ALU?

1. Division   2. Logical AND

3. Complement   **4. Exponential**

ALU performs – Addition, Subtraction, Multiplication, Division, AND, OR, Complement(NOT), Increment, Decrement, Left or Right Shit, Clear. Apart from this exponential, logarithmic, trigonometric are performed by Floating Point Unit(FPU)

93. Intel 8085 is an example of?

1. Hard Disk   **2. Microprocessor**

3. Memory   4. Register

94. In a nibble oriented memory, __ bits of data are read from or written into the memory at a time.

1. 2   **2. 4**   3. 8   4.16

Nibble=4 bit

95. Which of the following is not a type of coding system in computer?

1. ASCII   2. HEX Code

3. WYSIWYG Code   **4. EBCDIC**

WYSIWYG- What You See Is What You Get

96. ___ rate specifies the rate at which serial data are transmitted.

1. Baud   2. Duplex

3. Loop   4. Modem

The baud rate is the rate at which information is transferred in a communication channel

97. The code written by user is called _____ code and the code after execution is known as _____ code.

1. Object, Source   2. Viewer, Object

3. Source, Object   4. Viewer, Source

Source code and object code refer to the "before" and "after" versions of a computer program that is compiled before it is ready to run in a computer. The source code consists of the programming

statements that are created by a programmer with a text editor or a visual programming tool and then saved in a file.

98. Find the odd one out.
1. C   2. C++
3. Java   4. Python
Rest all are object oriented programming

99. What does M stands for in CAM?
1. Magnetic   **2. manufacturing**
3. Multiple   4. management
CAM – Computer-aided manufacturing

100.   What is the fullform of USB?
1. Unique Series Bus   2. Unilateral Serial Bus
3. Unreserved Series Bus **4. Universal Serial Bus**
 USB – Universal Serial Bus

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