

Computer Fundamental

1) A process is a _____.

1. single thread of execution.
2. program in the execution
3. program in the memory
4. task

Answer: (b) program in the execution

Explanation: A process is a program that is executed by the threads. It consists of multiple threads of execution.

2) The word processing feature that catches most random typographical errors and misspellings is known as _____.

1. Grammar checker
2. Spell checker
3. Word checker
4. None of the these

Answer: (b) Spell checker

Explanation: The word processing feature that catches most random typographical errors and misspellings is known as spell checker.

3) What is smallest unit of the information?

1. A bit
2. A byte
3. A block
4. A nibble

Answer: (a) A bit

Explanation: The smallest unit of the information is a bit. All information is stored in the computer as bits.

4) What is the decimal equivalent of the binary number 10111?

1. 21
2. 39
3. 42
4. 23

Answer: (d) 23

Explanation: Binary number is 10111.

$$= 1 \times 2^4 + 0 \times 2^3 + 1 \times 2^2 + 1 \times 2^1 + 1 \times 2^0$$

$$= 1 \times 16 + 0 \times 8 + 1 \times 4 + 1 \times 2 + 1 \times 1$$

$$= 16 + 0 + 4 + 2 + 1$$

$$= 23$$

5) What is the term for a temporary storage area that compensates for differences in data rate and data flow between devices?

1. Buffer
2. Bus
3. Channel
4. Modem

Answer: (a) Buffer

Explanation: Buffer is the temporary storage that can be used to compensate for a difference in data rate and data flow between devices. In other words, a buffer is an area of physical memory storage used to store data temporarily.

6) How many color dots make up one color pixel on a screen?

1. 265
2. 16
3. 8
4. 3

Answer: (d) 3

Explanation: Three color dots form a color pixel on a screen, and these are the following color dots: red, blue, and green. you can make any color from these 3 colors on the screen.

7) Which of the following values is the correct value of this hexadecimal code 1F.01B?

1. 35.0065918
2. 32.0065918
3. 31.0065918
4. 30.0065918

Answer: (d) 31.0065918

Explanation: B and F are equal to 11 and 15 respectively.

Therefore, equivalent decimal number is,

$$= (1F.01B)_{16}$$

$$= (1 \times 16^1 + 15 \times 16^0 + 0 \times 16^{-1} + 1 \times 16^{-2} + 11 \times 16^{-3})_{10}$$

$$= (16 + 15 + 0 + 0.00390625 + 0.00268554688)_{10}$$

$$= (31.0065918)_{10}$$

8) How is the data stored on the diskette?

1. Ink
2. Laser bubbles
3. Magnetism
4. Circuits

Answer: (c) Magnetism

Explanation: The data is stored on the diskette in magnetism form. A diskette is a removable data storage, and it is used with the PC.

9) Which of the following is the smallest visual element on a video monitor?

1. Character
2. Pixel
3. Byte
4. Bit

Answer: (b) Pixel

Explanation: A pixel is the smallest portion of the screen. The name Pixel is made from the "Picture element" and is also called the PEL. All screen is made by putting millions of pixels together in a matrix form.

10) Which of the following natural element is the primary element in computer chips?

1. Silicon
2. Carbon
3. Iron
4. Uranium

Answer: (a) Silicon

Explanation: Silicon is the primary element in computer chips. Silicon is a highly pure element which is now perfect for the massive computer chip industry. It is cost efficient and easy to use.

11) Which of the following programs enables you to calculate numbers related to rows and columns?

1. Window program
2. Spreadsheet program
3. Graphics program
4. Word program

Answer: (b) Spreadsheet program

Explanation: Spreadsheet programs help you to calculate numbers related to rows and columns. It can also graphically represent the data as per the user's requirement.

12) Which of the following is a structured programming technique that graphically represents the detailed steps required to solve a program?

1. Object-oriented programming
2. Pseudocode
3. Flowchart
4. Top-down design

Answer: (c) Flowchart

Explanation: Flowchart is a structured programming technique that graphically represents the detailed steps required to solve a program. Usually, it shows the steps as boxes of different types, and these boxes are connected with arrows.

13) Which of the following values is the correct value of this hexadecimal code ABCDEF?

1. 11259375
2. 11259379
3. 11259312
4. 11257593

Answer: (c) 11259375

Explanation: A, B, C, D, E, AND F are equal to 10, 11, 12, 13, 14, and 15 respectively.

Therefore, equivalent decimal number is,

$$= (ABCDEF)_{16}$$

$$= (10 \times 16^5 + 11 \times 16^4 + 12 \times 16^3 + 13 \times 16^2 + 14 \times 16^1 + 15 \times 16^0)_{10}$$

$$= (10485760 + 720896 + 49152 + 3328 + 224 + 15)_{10}$$

$$= (11259375)_{10}$$

14) Which of the following is an output device?

1. Keyboard
2. Mouse
3. Light pen
4. VDU

Answer: (d) VDU

Explanation: The full form of VDU is the Visual Display Unit. It is a hardware output device that uses a cathode ray tube to display a visual image.

15) Which of the following is an input device?

1. Plotter
2. Printer
3. VDU
4. Mouse

Answer: (d) Mouse

Explanation: A mouse is a hardware input device that controls a cursor on a computer. With the help of the mouse, you can select, open, and move files, icons, folders, and text on the PC.

16) Which of the following is the extension of Notepad?

1. .txt
2. .xls
3. .ppt
4. .bmp

Answer: (a) .txt

Explanation: The .txt file extension is a standard text document extension that contains the unformatted text. It is the default file extension for the notepad.

17) BIOS is used?

1. By operating system
2. By compiler

3. By interpreter
4. By application software

Answer: (a) By operating system

Explanation: BIOS is used by the operating system. It is used to configure and identify the hardware in a system such as the hard drive, floppy drive, optical drive, CPU, and memory.

18) What is the mean of the Booting in the system?

1. Restarting computer
2. Install the program
3. To scan
4. To turn off

Answer: (a) Restarting computer

Explanation: Booting is a process of the restart the computer. After restarting it, there is no software in the computer's main memory.

19) A computer is accurate, but if the result of a computation is false, what is the main reason for it?

1. Power failure
2. The computer circuits
3. Incorrect data entry
4. Distraction

Answer: (c) Incorrect data entry

Explanation: None

20) The central processing unit is located in the _____.

1. Hard disk
2. System unit
3. Memory unit
4. Monitor

Answer: (b) System unit

Explanation: The central processing unit is located in the system unit. The system unit controls the entire computer. It includes RAM, Processors, Optical drive, Power supply, Fans, Hardware, Peripheral devices, BIOS, etc.

21) Which one of the following groups contains graphical file extensions?

1. JPG, CPX, GCM
2. GIF, TCE, WMF
3. TCP, JPG, BMP
4. JPG, GIF, BMP

Answer: (d) JPG, GIF, BMP

Explanation: JPG, GIF, BMP are all extensions of graphical file. JPG stands for Joint Photographic Experts Group, GIF stands for Graphics Interchange Format, and BMP stands for Bitmap Image File.

22) Which of the following is equal to a gigabyte?

1. 1024 bytes
2. 512 GB
3. 1024 megabytes
4. 1024 bits

Answer: (c) 1024 megabytes

Explanation: One gigabyte is made up of 1024 megabytes.

1024 KB = 1 MB

1024 MB = 1 GB

23) How many bytes does 4 kilobytes represent?

1. 512

2. 1024
3. 4096
4. 8192

Answer: (c) 4096

Explanation:

1 kb = 2^{10} bytes in binary

1 kb = 1024 bytes in binary

4 kb = 4 * 1024 bytes

= 4096 bytes

24) Which type of program acts as an intermediary between a user of a computer and the computer hardware?

1. Operating system
2. User thread
3. Superuser thread
4. Application program

Answer: (a) Operating system

Explanation: An OS is a kind of program that acts as an intermediary for computer hardware and computer user. The purpose of an operating system is to provide a user-friendly and effective environment.

25) What kind of language can computer understand?

1. Normal language
2. Computer language
3. Assembly language
4. High-level language

Answer: (a) Assembly language

Explanation: An assembly language is a scripting language capable of telling the computer explicitly what to do.

26) Which of the following values is the correct value of this binary code 1011 and 1111?

1. 11 and 14
2. 12 and 15
3. 11 and 15
4. 12 and 14

Answer: (c) 11 and 15

Explanation: $1011 = 1 \times 2^3 + 0 \times 2^2 + 1 \times 2^1 + 1 \times 2^0$

= $8 + 0 + 2 + 1$

= 11

$1111 = 1 \times 2^3 + 1 \times 2^2 + 1 \times 2^1 + 1 \times 2^0$

= $8 + 4 + 2 + 1$

= 15

27) Which of the following is not one of the internal components of a CPU?

1. Control sequencer
2. M-D-R
3. M-A-R
4. Floppy disk

Answer: (d) Floppy disk

Explanation: Floppy disk is not an internal components of a CPU. It is a component of the secondary storage and external storage. It is a kind of data storage device.

28) What is the speed of computer measured in?

1. Nanoseconds
2. Kilo-seconds

3. Gigahertz
4. Megabytes

Answer: (c) Gigahertz

Explanation: The computer clock speed is normally calculated in gigahertz (GHz) or megahertz (MHz). a gigahertz is equal to one billion ticks per second, and a megahertz is equal to one million ticks per second.

29) What is the full form of RAM?

1. Remote Access Memory
2. Random Access Memory
3. Remote Access Memory
4. Random Access Memory

Answer: (b) Random Access Memory

Explanation: The full name of RAM is random access memory. It is a hardware device located in a computer that stores data temporarily. Temporary means it only stores data for some time. RAM is also called main memory, primary memory, or system memory.

30) What is the full form of DRAM?

1. Dynamic Remote Access Memory
2. Dynamic Random-Access Memory
3. Dependent Remote Access Memory
4. Dependent Random-Access Memory

Answer: (b) Dynamic Random-Access Memory

Explanation: The full name of DRAM is dynamic random-access memory. It needs a refresh power to work and it has transistor and capacitor for the memory cell. It is used in video game consoles, networking hardware, and system memory, etc.

31) Which one of the following software applications would be the most appropriate for performing numerical and statistical calculations?

1. Database
2. Document processor
3. Graphics package
4. Spreadsheet

Answer: (d) Spreadsheet

Explanation: Spread Sheet is the most appropriate for performing numerical and statistical calculation. A spreadsheet is a computer application that is a copy of a paper that calculates a worksheet. It displays several cells that together form a mesh that includes rows and columns, each cell containing alphanumeric text, numeric values, or formulas.

32) Which of the following is not considered hardware?

1. Operating system
2. CPU
3. Keyboard
4. Hard disk

Answer: (a) Operating system

Explanation: The operating system (OS) is a software that acts as an interface between a computer and a user. It is also called system software. OS is the first program to be loaded into a computer. It manages all the operations of the computer.

33) Which of the following is exclusively a sequential access storage device?

1. Hard disk
2. Floppy disk
3. Magnetic tape
4. DVD

Answer: (c) Magnetic tape

Explanation: Magnetic tape is exclusively a sequential access storage device. Sequential access memory is a type of data storage devices that read and write the data in a series.

34) Akshat has created a story of ten pages, but only wants to print the first two pages. Which printer command should he choose?

1. Print all
2. Print from 1 to 2
3. Page setup
4. Print Preview

Answer: (b) Print from 1 to 2

Explanation: None

35) What is the full form of SRAM?

1. Static Random-Access Memory
2. Static Remote-Access Memory
3. Setup Random-Access Memory
4. Setup Remote-Access Memory

Answer: (a) Static Random-Access Memory

Explanation: The full name of SRAM is static random-access memory. It needs a constant power to work. Due to continuous power, it does not need to be refreshed.

36) What is the full form of USB?

1. Unshielded System Board
2. Universal System Board
3. Unidentified System Bus
4. Universal System Bus

Answer: (d) Universal System Bus

Explanation: The full name of USB is Universal Serial Bus. It is a common interface that allows the communication between two devices.

37) Which one of the following is not a form of data storage media?

1. A database
2. Magnetic tape
3. Magnetic disc
4. Optical disc

Answer: (a) A database

Explanation: A database is a collection of information that is organized in such a way that information can be easily accessed, managed, and updated. In the database, we can quickly and easily select the desired data. For example, the dictionary is analogous to a database that is like a file.

38) What is five main components of a computer system?

1. CPU, CD-ROM, Mouse, Keyboard, Sound card
2. Memory, Video card, Monitor, Software, Hardware
3. Modem, Keyboard, Word Processor, Printer, Screen
4. CPU, Memory, System bus, Input, Output

Answer: (d) CPU, Memory, System bus, Input, Output

Explanation: None

39) Which of the following numbers is a binary number?

1. 1 and 2
2. 0 and 0.1
3. 2 and 0
4. 0 and 1

Answer: (d) 0 and 1

Explanation: Binary numbers are represented by 0 and 1. The computer only works on binary numbering systems because according to electronics, any signal can either be in the on state or in the off state.

40) Which one of the following is the best fire extinguisher for IT equipment?

1. Dry powder
2. Bromo chloride
3. CO₂
4. Water

Answer: (c) CO₂

Explanation: None

41) Select the correct statement from the following statements.

1. MS-Excel creates workbooks, and each workbook may contain more work sheets.
 2. A worksheet in MS-Excel 2000 package has a maximum of 256 columns and 65536 rows.
 3. Columns are identified by a number and rows are identified by a letter.
 4. Cells are identified by the column letter and the row number.
1. a, b, c
 2. b, c, d
 3. c, d, a
 4. a, b, d
 5. None of the these

Answer: (d) a, b, d

Explanation: None

42) Which of the following statement is correct regarding a template prepared by a word processing package?

1. Any document can be saved as a template.
2. Default template is used when you create a new file.
3. Many templates contain text that gives one advice on how to use the template.
4. Default settings are reflected by the normal document template and cannot be overwritten.

Answer: (a) Any document can be saved as a template.

Explanation: A template is a file that acts as a framework for a new text. Any document or text can be saved as a template.

43) Which of the following would be the correct description for WORM virus?

1. It infects the boot sector.
2. It propagates through the internet and e-mail.
3. It has no effect in increasing the internet traffic.
4. It alters the folder structure.

Answer: (b) It propagates through the internet and e-mail.

Explanation: A worm virus is a malicious file. This virus can be spread across a network without human aid. It also requires a large amount of bandwidth and memory. It spreads through the internet and e-mail.

44) A hard disk drive can be directly connected to a PC via a _____.

1. SCSI interface
2. Parallel interface
3. WAN interface
4. USB interface

Answer: (a) SCSI interface

Explanation: A hard disk drive can be directly connected to a PC via a SCSI interface. SCSI is a group of protocols that send the data between computers and external devices in a physical manner.

45) The use of the IC in a computer has _____.

1. Increased the amount of heating
2. Reduced the size and cost of computers
3. Reduced the peripheral devices to be used
4. Reduced the performance capacity of the computer

Answer: (b) Reduced the size and cost of computers

Explanation: The use of the IC in a computer has reduced the cost of computers. It is an incredibly small electronics chip integrated with a set of electrical circuits and transistors. It is a very small chip.

46) Consider the following path C:\Device\Module\Module 1. What is name of the file in this path?

1. Device
2. Module
3. Module 1
4. C

Answer: (c) Module 1

Explanation: None

47) What is the full form of SCSI?

1. Standard computer systems interface
2. Small computer systems interface
3. Super computer systems interface
4. Small computer standard interface

Answer: (b) Small computer system interface

Explanation: The full name of SCSI is Small computer system interface. SCSI is a group of protocols that send the data between computers and external devices in a physical manner.

48) Which one of the following is not input device?

1. Keyboard
2. Mouse
3. Speaker
4. Scanner

Answer: (c) Speaker

Explanation: Speaker is a hardware output device that is used for listening to audio by connecting it to a computer and other devices. The computer's sound card produces sound waves from the speaker.

49) Which one of the following is an example of the browser software?

1. Microsoft Word
2. Notepad
3. Internet navigator
4. Internet explorer

Answer: (d) Internet explorer

Explanation: Internet explorer is a web browser software on the windows computer. It helps to search for anything in the world through the Internet. It is also known as Microsoft Edge. If you use a Windows computer, this software is already installed on your computer.

50) Which one of the following commands can be used to work on a file?

1. Ctrl + XY
2. Ctrl + 2
3. Ctrl + C
4. None of the these

Answer: (c) Ctrl + C

Explanation: Ctrl C is a copy command on the computer. It is a very useful command. This command first selects the text, files, and any data that is stored in the computer's hard disk and then copies it. It is a shortcut key on the computer.

Computer Fundamental Set 2

1) What is the use of the computer port?

1. Download the file via the internet
2. To connect with other devices
3. To reduce the internet speed
4. None of the these

Answer: (b) To connect with other devices

Explanation: Ports are used to connect other peripheral devices, such as monitors, keyboards, mouse, webcam, and so on.

2) Which of the following device is used for gaming?

1. Speaker
2. Mouse
3. Joystick
4. None of the these

Answer: (c) Joystick

Explanation: Joystick is a hardware input device that controls the object on the computer screen. Joysticks are mostly used by gamers to play games.

3) Which of the following command remove the paragraph formatting?

1. Ctrl + L
2. Copy
3. Open
4. Ctrl + Q

Answer: (d) Ctrl + Q

Explanation: The "Ctrl + L" command is used to perform left-aligned text. The copy and open command are used to copy and open the file. "Ctrl+Q" is used to remove the paragraph's formatting. In some cases, it would be used to quit the program or close the program's window. Therefore, option (d) is the correct answer.

4) Which of the following memory cannot be directly accessed?

1. Primary memory
2. Secondary memory
3. RAM
4. DRAM

Answer: (b) Secondary memory

Explanation: Secondary memory cannot be accessed directly. It requires an Input/Output module to access it. Secondary memory includes Magnetic Disk, Optical Disk, Magnetic Tape, etc.

5) A spreadsheet is the best application for _____.

1. Writing an information
2. Handling simple accounts
3. Producing a grid-referenced map
4. Keeping an inventory of equipment used

Answer: (b) Handling simple accounts

Explanation: A spreadsheet is a document that is used to manage, analysis and store information in tabular form. A spreadsheet is the best application for handling simple accounts.

6) Which of the following is twice the size of A4 paper?

1. A2
2. A3
3. A5
4. A8

Answer: (b) A3

7) Which one of the following printers is suitable for printing sprocket-fed carbon copies?

1. Normal printer
2. Solid Ink printer
3. Dot-matrix printer
4. Business Inkjet printer

Answer: (c) Dot-matrix printer

Explanation: The dot matrix printer is more suitable for printing sprocket-fed carbon copies as it can extract multiple copies at once with the help of carbon.

8) The speed of a modern printer is generally measured in _____.

1. LPS
2. PPM
3. PPS
4. DPI

Answer: (b) PPM

Explanation: Early printer speeds were measured in units of "lines-per-minute" (LPM) or "characters-per-minute" (CPM), but modern printer speeds are measured in "pages-per-minute" (PPM). Hence, option c is the right answer.

9) Which of the following statement is correct about the virus?

1. The virus is a small program that infects a large program in the user system.
2. The virus is a file of the hacker.
3. The virus is an operating system that controls the entire OS.
4. None of the these

Answer: (a) The virus is a small program that infects a large program in the user system.

Explanation: Virus is a small program that infects a large program in the user system, causing the system to fail to function properly.

10) The term A: \ refers to _____.

1. Filename
2. Root directory
3. Hard disk
4. Subdirectory

Answer: (b) Root directory

Explanation: The term "A: \" refers to the root directory of drive A.

11) Which of the following languages computer understand?

1. JAVA language
2. C language
3. Binary Language
4. Object language

Answer: (c) Binary Language

Explanation: The computer knows only the binary language. The binary language is written in the form of "1s" and "0s". The binary language is sometimes referred to as machine language.

12) The four bits are called _____.

1. Byte
2. Nibble
3. Octet
4. Bit

Answer: (b) Nibble

Explanation: The four bits are called a nibble. A nibble is a unit of the data in the computer. It is equal to half a byte. That means one nibble is equal to four bits.

13) What is the full form of VDU?

1. Virtual Development User
2. Virtual Detection Unit
3. Visual Detection Unit
4. Visual Display Unit

Answer: (d) Visual Display Unit

Explanation: The full form of VDU is the Visual Display Unit. The VDU is also known as a monitor, which is basically used to give an output to the user.

14) Which of the following statement is correct about the PCI?

1. PCI is a hardware device.
2. PCI is software that is used to transfer the data.
3. PCI is an interface of the OS.
4. All of the these

Answer: (a) PCI is a hardware device

Explanation: The full form of PCI is Peripheral Component Interconnect. It was proposed by Intel in 1992. It is a hardware device that is used to connect CPU and expansion boards, such as Modem cards, Network cards, Video cards, and Sound cards. It is also called PCI bus, PCI slots, and conventional PCI.

15) What is the full form of the EEPROM?

1. Electrically Erasable Process Read-Only Memory
2. Electrically Erasable Programmable Read-Only Memory
3. Electrical Erase Program Read-Only Memory
4. Electron Erase Program Read-Only Memory

Answer: (b) Electrically Erasable Programmable Read-Only Memory

Explanation: The full name of EEPROM is Electrically Erasable Programmable Read-Only Memory.

16) Which of the following is a non-volatile memory chip?

1. EEPROM
2. RAM
3. DRAM
4. SRAM

Answer: (a) EEPROM

Explanation: EEPROM is a non-volatile memory chip that is used to store small amounts of data in a computer.

17) What is the binary value for the decimal value 44?

1. 101101
2. 110100
3. 101100
4. 111100

Answer: (c) 101100

Explanation: $(44)_{10} = (101100)_2$

= $44 / 2 = 22$ and remainder = 0

= $22 / 2 = 11$ and remainder = 0

= $11 / 2 = 5$ and remainder = 1

= $5 / 2 = 2$ and remainder = 1

= $2 / 2 = 1$ and remainder = 0

= 101100

18) What is the decimal value for the octal value 1?

1. 1
2. 8
3. 10
4. 100

Answer: (a) 1

Explanation: $(1)_{10} = (1)_8$

$$= 1 * 8^0$$

$$= 1 * 1$$

$$= 1$$

19) Which of the following shortcut key shows the properties of a file?

1. Alt + Ctrl
2. Alt + P
3. Alt + F3
4. Alt + Enter

Answer: (d) Alt + Enter

Explanation: The "Alt + Enter" is a shortcut key that is used to show the properties of a file, such as a file size, creation date, sharing settings, etc.

20) Which of the following processor has a fixed length of instructions?

1. Main processor
2. COM
3. Dual Core
4. RISC

Answer: (d) RISC

Explanation: The full form of the RISC is Reduced Instruction Set Computer. It has a fixed length of instructions. The set of instructions in this processor is small.

21) What is the full form of HLDA?

1. High-Level Data Application
2. High-Level Definition Application
3. Hold Link Data Application
4. HOLD Acknowledge

Answer: (d) HOLD Acknowledge

Explanation: The full form of HLDA is HOLD Acknowledge. Whenever an interrupt is introduced, the CPU is given a hold acknowledge.

22) In which of the following, the second-generation computer was based?

1. Transistor
2. Electron tube
3. Electron ray
4. Vacuum tube

Answer: (a) Transistor

Explanation: The second-generation computers were based on the transistor. The second-generation period was from 1959 to 1965. At that time, transistors were much cheaper, power-efficient, smaller in size, more reliable, and faster.

23) In which of the following computer-generation vacuum tubes were used?

1. First-generation
2. Second-generation
3. Third-generation
4. Fourth-generation

Answer: (a) First-generation

Explanation: Vacuum tubes were used in first-generation computers. It was used as basic components for CPU and memory. The first-generation period was from 1946 to 1959.

24) What is a single dot on a computer screen called?

1. Desktop
2. Color dot
3. Pixel
4. Screen dot

Answer: (c) Pixel

Explanation: A single point on a computer screen is called a pixel. Pixel is a very small dot on the screen.

25) Which of the following commands cannot be used to work on a file?

1. Ctrl + Z
2. Ctrl + Y
3. Ctrl + I
4. None of the these

Answer: (d) None of the these

Explanation: All these commands can be used to work on any file. Therefore, option (d) is the correct answer.

26) Which of the following language was used in first-generation computers?

1. Java
2. Python
3. Machine language
4. All of the these

Answer: (c) Machine language

Explanation: Machine language was used in first-generation computers, and this language is a lower-level language than other languages.

27) Which of the following statement is correct about the URL?

1. URL is a software that connects to the internet
2. URL is the address of the web page
3. URL is the domain name
4. All of the these

Answer: (b) URL is the address of the web page

Explanation: URL means uniform resource locator. URL is the address of a web page, which is used by a web browser to access a web page on the internet.

28) Which one of the following parts is called the brain of the computer?

1. ALU
2. Monitor
3. UPS
4. CPU

Answer: (d) CPU

Explanation: The CPU is the brain of the computer. It takes information from memory and processes it. Intel and AMD are two companies that manufacture CPUs. CPU speed is measured in GHz or MHz.

29) The output, which consists of images, video, and sound, is described as _____.

1. ROM
2. RAM
3. Graphics of the system
4. Multimedia

Answer: (d) Multimedia

Explanation: Multimedia is made up of two words, "multi" and "media". Multi means many, and media means elements such as pictures, music, films, games, etc. The output, which consists of images, video, and sound, is described as multimedia.

30) Which of the following device is not a portable device?

1. DVD
2. Mobile phone
3. Pen drive
4. None of the these

Answer: (d) None of the these

Explanation: All these devices are portable by nature. A user can pick up all these devices comfortably and can move them from one place to another.

31) Which of the following memory is non-volatile memory?

1. Secondary memory
2. Random memory
3. RAM
4. ROM

Answer: (d) ROM

Explanation: ROM (Read-Only Memory) is a non-volatile memory used to store the data in computers and other electronic devices permanently.

32) Which of the following memory is a volatile memory?

1. Secondary memory
2. Random memory
3. RAM
4. ROM

Answer: (c) RAM

Explanation: RAM (Random Access Memory) is a volatile memory. It is a hardware device located in a computer that stores data temporarily. This means that it only stores data for a short period of time.

33) Which of the following address is generated by CPU?

1. Logical address
2. Physical address
3. Actual address
4. Simple address

Answer: (a) Logical address

Explanation: The CPU generates the logical address. The logical address is also sometimes called a virtual address. This address is stored in the system's virtual memory.

34) The cache memory works between _____.

1. ROM and CPU
2. RAM and ROM
3. CPU and RAM
4. Random and secondary memory

Answer: (c) CPU and RAM

Explanation: Cache memory is a high-speed memory that works as a buffer between CPU (Control Process Unit) and RAM (Random Access Memory).

35) What kind of file does the "BAK" extension refer to?

1. System file
2. Backup file
3. Boot file
4. Binary file

Answer: (b) Backup file

Explanation: The "BAK" extension refers to the backup file. It is a file extension that is used to create a backup copy of a file.

36) Which device contains a cathode ray tube?

1. Speaker
2. Mouse
3. Monitor
4. Keyboard

Answer: (c) Monitor

Explanation: Cathode ray tubes are used in many electrical devices, such as monitors, televisions, radar screens, and so on. It is also known as CRT.

37) Which of the following memory is very fast memory in a computer?

1. Random-access memory
2. Random memory
3. Cache memory
4. Read-only memory

Answer: (c) Cache memory

Explanation: In the computer, cache memory is a very fast memory that works as a buffer between the CPU (Control Process Unit) and RAM (Random Access Memory).

38) Which of the following type of devices is a computer microphone?

1. Output device
2. Speaker device
3. Input device
4. Keyboard device

Answer: (b) Input-device

Explanation: Microphone is used as audio-input devices. It is used to record voice on a computer or other electronic device.

39) What is the ".BAT" extension?

1. System file
2. Backup file
3. Storage file
4. None of the these

Answer: (a) System file

Explanation: The ".BAT" extension is a batch file extension, and it is sometimes referred to as a system file extension.

40) Which of the following device is used for both input and output?

1. Monitor
2. Speaker
3. Scanner
4. Modem

Answer: (d) Modem

Explanation: Modem is a hardware device that is converted to two-way network communication in real-time between analog and digital signals. It acts as both input and output devices.
