

Please note : • All answer to be written in the answer booklet.

• Attempt all questions and be neat.

Q1). A .Choose the correct option from the following: [15m]

1. _____ is the best format for photographs.
a) GIF b) JPEG c) PNG d) MP3
2. The _____ stands for modulator –demodulator.
a) PCI b) SMPS c) MODEM . d) Sound card
3. The small unit of information is _____.
a) Bit b) Byte c) Nibble d) Word
4. _____ is a malware that enters a computer using the network.
a) Trojan horse b) Worms c) Spam d) Spyware
5. The Html tag used to specify an image to be displayed in a Html document is _____.
a) <image> b) <picture> c) d) <pic>
6. The _____ system is the positional value system.
a) Binary b) Octal c) Hexa d) Decimal
7. The modern computer are designed on a single semiconductor chip called _____.
a) Vaccum b) Transistors c) microprocessor d) drive
8. The Unordered list is also called as _____ list .
a) Type b) Start c) Bulleted d) creating
9. In an _____ computer data can be infinite continuous values.
a) digital b) Hardware c) software d) Analog
10. The Switch Mode power supply unit converts.
a) DC to AC b) AC to DC c) AD to BC d). BC to AD
11. By default , the ordered list starts with _____.
a) A b) 1 c) a d) i

12. _____ are also called spybots or tracking software.
 a) Spyware b) Spam c) Blog d) Worms
13. The mouse has multi – touch capabilities which can sense the user's gesture.
 a) digital b) optical c) mechanical d) magic
14. A pen drive is also known as _____.
 a) Flash drive b) Winchester drive c) Disk drive d) CD drive
15. Which virus infects Microsoft office files such as Word , Excel , Powerpoint etc?
 a) Multiple virus b) program virus c) Macro virus d) boot sector virus

B.State whether the following statement are True or False. [5m]

1. Virus may enter through the email attachment.
2. The GIF format uses a maximum of 216 colours .
3. The printed copy of the data is called a Hard copy .
4. A machine with 64-bit word is slower than one with 32-bit word .
5. Trojan horse are self replicating.

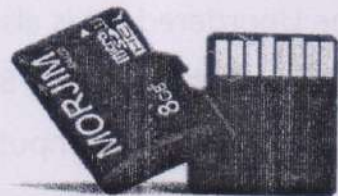
Q2).A.Match the following: [4m]

(A)	(B)
1. Gigabyte (GB)	a). Cell phone virus
2. Commonwarrior-A	b).
3. Terabyte (TB)	c). 2^{10} MB
4. unordered list	d). 2^{10} GB

B.Observe the picture and answer the following:

[4m]

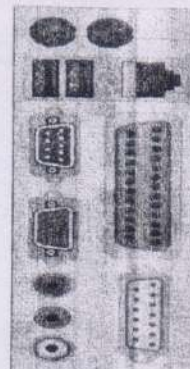
- (i). Name the device and state in which category it comes?
- (ii). Name any 2 devices where this component is used?



C.Observe the picture and answer the following:

[2m]

- (i). Identify the Hardware component?
- (ii). What is use of this component?



Q3).A. Name the following:

(6m)

- 1.It refers to an unsolicited and unwanted e-mails .
- 2.The physical components which are fixed inside the CPU cabinet.
- 3.The base of the binary number system.
4. It is a computer program(software) that has the ability to make copies of itself and attach itself to other program files.
5. An input device which is used to input audio (sound , music or noise) into the computer.
6. The database of viruses that an antivirus software scans for.

B.Answer the following in short.

[4m]

- 1.RAM
- 2.HTML
- 3.LSD
- 4.DVD

Q4).A.Application based question:

[5m]

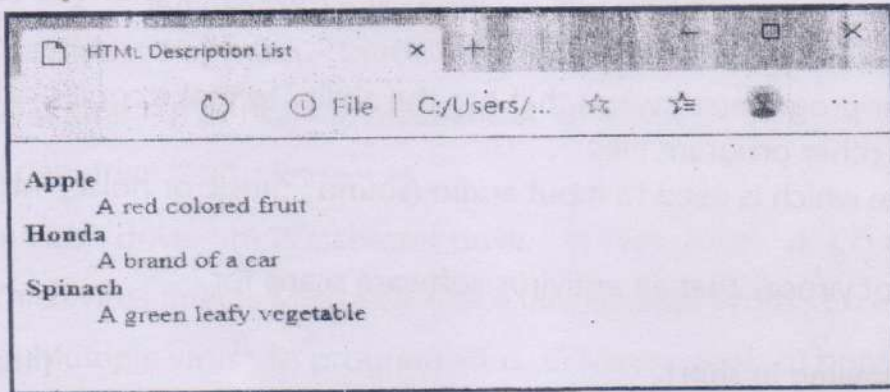
1. Neha is trying to use the ordered list in her project. However , there is error in her code ,which she cannot find out. Help her to resolve the error in the following stataement: `<ol = i>` ?
2. Kartik is applying for a graduate engineering program in a University. He wants to email his application along with the copies of his certificates. Which device will be prefer to create a digital copy of his certificates?
3. Varsha's computer has got infected with a virus resulting in its frequent hanging. Which software will you suggest her to install in order to solve this problem?
4. Farhan wants to see a movie at home along with his friends . What should he connect to his computer so that all of them can enjoy the movie on a large screen?
5. Sumit's computer is not working properly . Its executable files and programs with extension like .COM , .EXE , .OVL , .SYS etc have got infected . What type of virus has infected the computer?

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B. Write the HTML code to create these web pages :

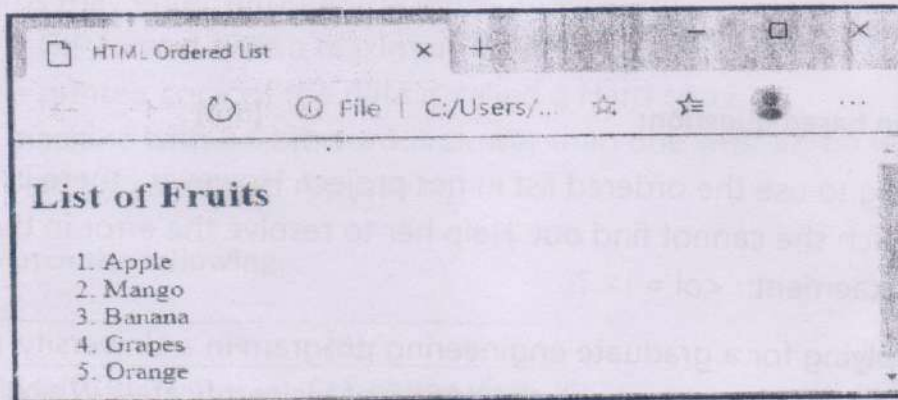
[15m]

1.



(8m)

2.



(7m)

Q5).A. Answer the following in short.

[8m]

1. Which term is used to express the speed of a CPU?? (1m)
2. List the 2 things which a computer virus cannot do? (2m)
3. Give any 4 examples of Antivirus program?(2m)
4. Name and explain the two types of buses? (3m)

B. Differentiate between: (1 point each)

[2m]

1. Monitor and Keyboard.

C. Convert the following.

[10m]

1. $(27)_{10} = (\quad)_2$ (3m)
2. $(1246)_8 = (\quad)_2$ (3m)
3. $(1011011)_2 = (\quad)_8$ (2m)
4. $(10101)_2 = (\quad)_{10}$ (2m)

----- ALL THE BEST -----