



RAMAGYA SCHOOL, NOIDA
WORKHEET, 2017-2018
SUBJECT: Informatics Practices
CLASS: XI
MONTH: May

A. Fill in the Blanks:

1. _____ is the location from where the 1st computer instructions are available on boot up
2. With respect to a network interface card, the term 10/100 refers to _____
3. A hard disk is divided into tracks which are further subdivided into _____
4. _____ standard governs parallel communications.
5. _____ refers to a cheap memory that can be plugged into the mother board to expand main memory fast memory present on the processor chip that is used to store recently accessed data.
6. An operating system that allows several processors to perform computation at the same time is called _____

B. Short Answer Type Questions

1. What is a Data Bus?
2. What is the difference between Magnetic and Optical Storage devices?
3. What are the scripts called in applications, like MS-Word and Excel?
4. What are the Communication Ports? How many types of communication ports are there in a computer?
5. List the functions performed by the Control Unit.
6. What do you understand by Mark Sensing? When it is useful and when it is not.

C. Long Answer Type Questions

1. Why is it important to have a ROM in the computer? What instructions are stored on a ROM?

2. Define the basic architecture of the computer and explain each category in details with appropriate examples.
3. Classify computers in categories based on their – a. Size b. Type/function and give examples of each type.
4. Differentiate between InkJet Printer, Dot Matrix Printer and Laser Printer based on –
 - a. Speed
 - b. Cost
 - c. Method of Operation
5. Discuss 4 types of Memory cards based on their usage.
6. Explain the Control Bus used in computer. How it is different from the other buses?
7. What is networking port? Name some well known ports with their port number.

D. Application Based Questions

1. Suppose your uncle has to buy a computer and he has asked you for help. What all components and specifications would you suggest him? Make a table similar to the one given below:

Component	Specification
RAM	4GB

2. In order to execute program instructions must be transferred from memory along a bus to the CPU. If the bus has 8 data lines, at most one 8 bit byte can be transferred at a time. How much memory access would be needed in this case to transfer a 32 bit instruction from memory to the CPU?
3. A student retrieves copy of a program assignment from the recycle bin in the computer lab and uses the code to complete his own program assignment. Will his action be retrieved as ethical? Why or Why not? Justify your answer.
4. Part of the operating system is usually stored in ROM so that it can be used to boot up the computer. Why do you think that ROM is used for this purpose instead of RAM?
5. Why do you think that USB ports have become so popular these days?