



INDIAN SCHOOL AL WADI AL KABIR

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| Class: XI Informatics Practices. | Department: Computer Science | Date of submission: 30/04/2024 |
| Worksheet No: 1 | Topic: Computer System and Organization | Note: Please do read NCERT text book |

QI. Answer the following questions:

- With a help of block diagram explain Basic computer organization.
- Give suitable examples for
 - Input devices
 - Output devices
- Explain the function of
 - ALU
 - CU
 - MU
 - Registers
- Differentiate between
 - Bit and Byte
 - Nibble and word
 - KB and MB
 - GB and TB
 - PB and EB
- How the following are different from each other RAM and ROM
- How main memory is different from secondary memory?
- Software can be classified broadly into two categories, explain them
 - System software
 - Application software.
- What do you mean by language processors? Brief on three types of language processors.
- Name the Most common categories of general-purpose application software.
- What are utilities?
- Which are the different units of memory?
- Explain cache memory

Q.II Fill in the blanks

- A group of _____ bits is a Byte and A nibble is a group of _____ bits.
- _____ is volatile and _____ is non-volatile.
- _____ performs guides the interpretation, flow and manipulation of all data and information.
- _____ are small units of data holding places.

Q.III Answer the following

- Draw and Explain the block diagram of Computer System.
- What is an operating System? Name it's objectives.
- Name the different types of Operating Systems -user interface.
- What are the different Functions of an Operating System?
- Differentiate RAM and ROM.
- Differentiate Primary Memory and Secondary Memory.
- Explain different types memory component.
- Explain the term data recovery.
- What is the difference between open source software and proprietary software?