Class: XI Comp. Sci.	Department: Computer Science	Date of submission:
Worksheet No: 1	**Topic: Computer System and Organization**	**Note: Please do read NCERT text book**

QI. Answer the following questions:

a)   With a help of block diagram explain Basic computer organization.
b)   Give suitable examples for
     i. Input devices   ii. Output devices
c)   Explain the function of
      i. ALU   ii.CU iii.MU iv. Registers
d)   Differentiate between
     i. Bit and Byte ii. Nibble and word   iii. KB and MB   iv.GB and TB v. PB and EB
e)   How the following are different from each other RAM and ROM
f)   How main memory is different from secondary memory?
g)   What do you mean by
      i. System bus ii. Control bus iii. Data bus   iv. Address bus
h)   Software can be classified broadly into two categories, explain them
      i. System software   ii. Application software.
i)   What do you mean by language processors? Brief on three types of language processors.
j)   Name the Most common categories of general-purpose application software.
k)   What are utilities?

Q.II   Fill in the blanks

i.   A group of____bits is a Byte and A nibble is a group of____bits.
ii.   _____is volatile and_____is non-volatile.
iii.   _____ performs guides the interpretation, flow and manipulation of all data and information.
iv.   _____ are small units of data holding places.
v.   _____ is made up of transistors and capacitors and is made up of flip flops.

Q.III   Answer the following

a)   What is an operating System? Name it's objectives.
b)   Name the different types of Operating Systems -user interface.
c)   Explain Command-based Interface.
d)   Explain Graphical User Interface.
e)   How Touch-based Interface works?
f)   What is Voice-based Interface?
g)   What do you mean by Gesture-based Interface?
h)   What are the different Functions of an Operating System?
i)   What is Process Management?
j)   Explain Memory Management.
k)   What is File Management?