**Introduction to Computer Science**

**Model Questions**

* 1. Convert the following numbers to their binary equivalents.

a) 7910 b) B3A16

* 1. Convert the following numbers to octal equivalents.

a) 4208 b) 51B16

**2.** Explain the following terms:

1. CD-RW Technology
2. Application Software and System software
3. Difference between the architecture of computer and other machines using two diagrams
4. Dual Core Processors
5. Data storing mechanism in system RAM

**3.**  A magnetic disk has 10 platters, 80,000 tracks on each surface and 400 sectors per track. The capacity of a sector is 2 KB. Compute the capacity of a Track, Surface, Cylinder and Disk.

**4.**  Describe the sequence of events carried out during the machine cycle when executing the following instructions.

