

## **Assignment 4, CF, 1<sup>st</sup> Semester**

**Deadline:** Friday, 28 December 2018, 12 noon

*Assignment should be hand written.*

*Write your name, registration No. and section, or else your assignment may not be marked.*

*Copying is not allowed.*

*Write in your own words.*

*Staple your pages properly (binding is not required).*

### **1. True or false?**

- a. Sectors are concentric circles on the disk surface.
- b. To read data from a magnetic surface, the read/write head passes over the disk with current flowing through the electromagnet.
- c. CD-ROM stands for compact-drive-read-only-memory.
- d. DVD-ROM achieves high storage capacity because of special data-compression techniques.
- e. CD-R allows you to create your own data disc which is readable in a CD-ROM drive.
- f. The data on a DVD-RAM is not erased after shutting down the computer.
- g. Intelligent smart card has a processing unit.
- h. PhotoCD is also an optical storage device.
- i. Solid-state devices are always non-volatile.
- j. Flash drive is a magnetic storage device.

### **2. Fill in the blanks.**

- a. The process of mapping a disk is called \_\_\_\_\_ .
- b. In FAT file system, the \_\_\_\_\_ area created on the disk contains a program that runs when the computer is started.
- c. NTFS offers better \_\_\_\_\_ as compared to FAT.
- d. Floppy disk spins at \_\_\_\_\_ revolutions per minute.
- e. \_\_\_\_\_ storage devices have no moving parts.

### **3. Compare and contrast TCP/IP Protocol Suite with OSI model.**

### **4. Write the functions of each layer of 802.11 model protocol stack.**