

Northern India Engineering College, Shastri Park, New Delhi
Department of Information Technology

Assignment 2: Fundamentals of Computing

Code ETCS – 111

Marks: 05

Course Facilitator: Dr Shafiq ul Abidin, HoD - IT

Note:

- Last date of submission on or before **23/10/2013**.
- Only hand written assignment will be accepted.
- No assignment will be accepted after due date.

Q1. What is the function of BIOS?

Q2. From the following DOS commands - separate internal and external commands. Also write their syntaxes.

doskey, copy, telnet, cls, date, ping, cd, chkdisk, dir, sys, md, move, fdisk, help, rd, tree, label, scandisk, diskcopy, path, deltree, ren, vol, mkdir, chdir, ver, diskcomp.

Q3. Describe the characteristics of blu ray disk over DVD.

Q4. Describe the features of high level languages.

Q5. Differentiate between OMR and OCR.

Q6. How would you calculate the capacity of a hard disk?

Q7. What is the basic function of ROM in the computer? Define types of ROM.

Q8. Describe various input and output devices.

Q9. Why accessing of data in magnetic tape is slower than hard disk?

Q10. List the input devices used in playing games. Also write their functioning in brief.

Q11. Describe the working of various printers.

Q12. Differentiate between loader and linker.

Q13. Draw flow charts for the following:

- i) to calculate grade for a student for 4 subjects and if student has secured grade 5 or more then he/she will pass otherwise fail.
- ii) to find the area of a triangle when its three sides are given.
- iii) Draw a flow chart to print names of all the students having age 20 or more in a class. The input record contains the name and age of student.

Q14. Write short notes on the following:

- i) Removable Memories
- ii) Computer Generations
- iii) Device Driver
- iv) Translators
- v) Optical Disks