Roll No. ☐☐☐☐☐☐☐

- Please check that this question paper contains **3** printed pages.
- Code number given on the right hand side of the question paper should be written on the title page of the answer-book by the candidate.
- Please check that this question paper contains **5** questions.
- **Please write down the Serial Number of the question before attempting it.**
- 15 minutes time has been allotted to read this question paper. The question paper will be distributed at 10.15 a.m. From 10.15 a.m. to 10.30 a.m., the students will read the question paper only and will not write any answer on the answer-book during this period.

IT SYSTEMS

(Theory)

Time allowed : 3 hours   *Maximum Marks : 50*

Note :   *All questions are compulsory.*

1. Expand the following abbreviations and write a brief description about each :   5

    (a)   DOS

    (b)   CAD

    (c)   BIOS

    (d)   MODEM

    (e)   FTP

2. Fill in the blanks with suitable word(s) :   5

(a) _____ command in DOS is used to create a new directory.

(b) Marketing or doing business through Internet is known as _____ .

(c) _____ keeps the data about the files stored in a computer.

(d) A file named _____ stores all commands which are necessary to configure your computer.

(e) _____ is a utility software used to scan a disk.

(f) _____ is the extension of a batch file in MS DOS.

(g) In networking a device used to amplify the signal is called _____ .

(h) _____ protects your hardware/software from unauthorised users.

(i) A software used to access a webpage is called _____ .

(j) _____ is the device which converts AC current to DC current inside the CPU.

3. Answer the following questions briefly :   8

(a) What is "Virtual Reality" ?

(b) What is the difference between logout and shutdown in a computer ?

(c) Explain the term Internet Chat.

(d) What are Batch files ?

(e) What is the function of DEFRAG utility software ?

(f) Write a DOS command to copy all files in the folder D:\MYFILE to the folder D:\YOURFILE.

(g) Distinguish between Server and Workstation in Networking environment.

(h) What are controllers with respect to computer hardware ?

4. Answer the following questions : 12

   (a) What is Encryption ? Explain with the help of an example.

   (b) Distinguish between CD and RD command in DOS with the help of an example.

   (c) Explain the term Gateway in networking.

   (d) What is a DIP switch ? Explain briefly.

   (e) Explain the process of booting in a computer system.

   (f) What is Execution Cycle during the processing of a computer program ?

   (g) What is Windows Explorer ? Explain any two functions.

   (h) Explain the need of Video Conferencing in the present situation.

5. Answer the following questions : 20

   (a) Explain the function of Central Processing Unit.

   (b) What is Digital Signature ? Explain.

   (c) Convert Decimal number 427 into its binary equivalent.

   (d) Name any two diagnostic softwares and explain any two in brief.

   (e) What are the hardware components required while setting up Internet connection ?

   (f) Explain Backup and Restore process.

   (g) What is Motherboard ? Explain briefly.

   (h) Convert binary number 110011100 into its decimal equivalent.

   (i) Write down the steps to change the screen saver on your computer.

   (j) What are file permissions ? Name any two.