Series SHC/1

Code No. कोड नं. 179/1

Roll No. रोल नं. | | | | | | | |

Candidates must write the Code on the title page of the answer-book.

- 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.**

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) CAM

(b) LAN

(c) ISP

(d) WWW

(e) BIOS

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

(a) When referring to memory, the acronym RAM means..... .

(b) Memory inside the computer that holds the data currently being processed is called..... .

(c) .....programs are also called vaccines.

(d) The term used for doing business transactions over internet is..... .

(e) We use.....utility to create a copy of data on another medium as a precaution against data corruption.

(f) Protocol for transferring files over Internet is.....

(g) Device that converts analog signals into digital signals and vice versa so that they can be transmitted over Internet is.....

(h) To send e-mail to a person his/her.....is needed.

(i) The unit that describes how fast data is transmitted over a network is

(j) A..... is a program that replicates itself and carries out unwanted operations.

3. Answer the following questions very briefly : 8

(a) Name two popular web browsers.

(b) How is a website related to a webpage ?

(c) Name the configuration file stored in MSDOS in which the buffer size and number of files that can be opened simultaneously is specified.

(d) What is the function of BIOS ?

(e) Name any two antivirus programs.

(f) What is booting up of a computer ?

(g) List any one job that can be replaced by robots.

(h) What are the contents of a File Allocation Table ?

4. Answer the following questions : 12

(a) Expand the abbreviation ALU. List its two functions.

(b) What does the file AUTOEXEC. BAT do ?

(c) How does a Password ensure data security ?

(d) What is Virtual Reality ?

(e) Why do we compress data ? Name any one data compression utility.

(f) List three ways in which computers are used in entertainment industry.

(g) Write MSDOS command to instruct system to search for any executable command in the following directories in the given order :

(i) C : \DOS

(ii) C : \LIB

(iii) C : \Try

(h) Why do we take Backup ? Name one software used for this purpose.

5. Answer the following questions : 20

(a) Why is the Operating System called the Master Control Program ?

(b) List any two benefits that networks provide.

(c) Distinguish between a server and node.

(d) List one advantage and one disadvantage of purchasing items on Internet.

(e) Convert $(288)_{10}$ into its hexadecimal equivalent.

(f) Convert $(11010)_2$ into its decimal equivalent.

(g) What is the purpose of Defrag utility ?

(h) How is communications using E-mail different from communication in a Newsgroup ?

(i) Distinguish between uploading and downloading files over Internet.

(j) List two advantages of CAD over manual designing.