Roll No. ☐☐☐☐☐☐☐

Series SHC

- 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)   MSDOS

   (b)   WWW

   (c)   CAM

   (d)   LAN

   (e)   HTML

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

   (a)   With reference to data storage, MB stands for_____ .

   (b)   The part of CPU that makes all the logical decisions is called _____ .

   (c)   _____ is a division in Computer Science devoted to creation of robots and improving their performance.

   (d)   A _____ is a network covering a small area such as one building of a school. college, office.

   (e)   In a network, a _____ is a computer that stores files that are shared by other computers.

   (f)   _____ Internet service lets you speak face to face with distant people.

(g) A _____ is a secret word or phrase that gives a user access to a particular program or system.

(h) An artificial environment created with computer in such a way that it feels like real environment to the user is called _____ .

(i) A system that enables architects to design parts and structures using computers is called _____ .

(j) A URL is the _____ of a web page or a web site.

3. Answer the following questions very briefly :   8

(a) Name two components of CPU.

(b) Write one example of a popular Wide Area Network.

(c) Write two points to show how computers are useful in Space research.

(d) How does Internet help in searching for an appropriate job ?

(e) Define Telnet.

(f) Write the purpose of Backup utility.

(g) Name any two popular web browsers.

(h) Write one way of removing computer virus from your disk.

4. Answer the following questions :   12

(a) What is the function of a Control Unit ?

(b) Write one example of a URL. Name its parts.

(c) What happens during Power On Self Test (POST) ?

(d) What is the purpose of FTP servers ?

(e) Which utility can reduce the size of files without harming data ? Write example of a situation when such reduction in size is needed.

(f) What is the purpose of Config.sys file ?

(g) How are newsgroups different from mailing lists ?

(h) Compare Password protection and authorization.

5. Answer the following questions :   20

(a) Write two advantages of networking computers.

(b) Explain in brief how companies use Internet to sell items over Internet.

(c) Distinguish between uploading and downloading files.

(d) In MS Windows environment, how is using "My Computer" different from using "Windows Explorer" for exploring contents of a computer ?

(e) Write MSDOS command(s) to create Autoexec.bat file to do the following :

    (i) Delete all files from root directory of drive A.

    (ii) Change working directory to C:\Try.

(f) How does encryption help in data security ?

(g) Write the purpose of Disk scanning utility.

(h) When is a disk said to be fragmented ? Write one disadvantage of a fragmented disk.

(i) Convert $(11111010)_2$ into its hexadecimal equivalent.

(j) Convert $(121)_{10}$ into its binary equivalent.