**CERTIFICATE IN COMPUTER HARDWARE
ASSEMBLY AND MAINTENANCE**

(616)

Time : 2 Hours]   [Maximum Marks : 40

Note :   *All* questions are compulsory and carry marks as indicated against each question.

1. State True or False :   1×10=10

 (a) PARAM is name of the supercomputer developed by Indians.

 (b) COM-1 is a parallel port.

 (c) 1 megabyte (MB) is equivalent to 1024 bytes.

 (d) RAM is a volatile memory.

 (e) FORTRAN is a computer language.

 (f) POP3 is a protocol used for incoming mail.

 (g) Modem converts digital signals to analog signals and vice versa.

 (h) Processor speed is measured in megabytes.

 (i) CHKDSK is a command used to copy the files.

 (j) Floppy disk is sensitive to magnetic field.

2. Answer the following questions :   2×6=12

- *(a)* Write the characteristics of software.

- *(b)* What is an adapter and why is it needed?

- *(c)* How internet works?

- *(d)* What are different protocols used for e-mail service (sending and receiving mails)?

- *(e)* What are various measures one should take to protect the system from virus?

- *(f)* What factors should be taken into consideration in a motherboard while think of upgrading it?

3. Differentiate the following :   2×3=6

- *(a)* Digital and Analog computers

- *(b)* SRAM and DRAM

- *(c)* Internet and Intranet

4. Write down the possible reasons for the following problems :   1×6=6

- *(a)* Continuous beep sound

- *(b)* Cannot read a floppy disk

- *(c)* 'Non-system disk' error message

- *(d)* 'Cannot write to a disk' message

- *(e)* Key impressions are not appearing on monitor

- *(f)* Date and time are wrong

5. Write short notes on the following :   2×3=6

- *(a)* Secondary Memory

- *(b)* System Software

- *(c)* Local Area Network (LAN)

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