

**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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