



0775

B.C.A (Sem. I) Examination
March/April – 2006
Computer Organization

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
B. C. A. (Sem. I)

Name of the Subject :
Computer Organization

Subject Code No. : 0 7 7 5 Section No. (1, 2,.....) : Nil

Seat No. : [] [] [] [] [] []

Student's Signature

- (2) All the questions are compulsory.
- (3) Mention your options clearly.
- (4) Draw figures wherever necessary.
- (5) Numbers on the right indicate full marks.

- 1 Answer the following in short: 10
- (1) What does microprocessor do ?
 - (2) List different types of memory with full form.
 - (3) What is the function of scratch pad register ?
 - (4) What is write-protect notch ?
 - (5) What is digital, analog computer ?
 - (6) Define terms MAR, MDR.
 - (7) Differentiate CRT and LCD monitor.
 - (8) What is FAT, boot record ?
 - (9) Explain term URL.
 - (10) What is telnet and usenet ?
- 2 (a) What is processor, co-processor ? Classify computers on the basis of speed and capacity. 8
- (b) Explain different addressing modes. 6

OR

2. (a) Write a note on different types of bus. 6
(b) Explain the function of main memory. Why DRAM is preferred over SRAM as a computer main memory. 6
(c) Give functions of OS. 2

- 3 (a) Which hardware device is used in internet to transfer the data ? Explain it. 6
(b) Write a note on any one optical device. 6

OR

- 3 (a) Write a note on hard disk drive. 6
(b) Write a note on compiler, interpreter, assembler. 4
(c) What is the concept of POST ?
What is BIOS. 2

- 4 Attempt any three : 18
(a) Write a note on VDU
(b) Explain working of laser printer.
(c) Explain expanded, extended memory.
(d) Differentiate between sequential access, direct access and random access devices.

- 5 (a) Explain HTTP, MIME, SMTP, IMAP. 6

- (a) Define terms WWW, FTP, FAQ, IRC. 6
(b) What is Domain Name ? What is the use of Domain name and IP address. 4

- (b) What is web server and web browser ?
How do they communicate ? 4

- (c) Give applications of internet. 4

- (d) Define search engine. What are different search engines ? 2