



A-551

Seat No

First Year B. C. A. (Sem. I) Examination

May / June – 2003

Paper - 103 : Computer Organization

Time : 3 Hours]

[Total Marks : 70

Instructions:

- i. Figures on the right indicate full marks
- ii. Draw figures wherever necessary

Q-1 Answer in brief the following questions:

14

- 1. Define and distinguish between application software and system software.
- 2. What is a compiler? Why is it required?
- 3. Name the software without which your PC will not work? Why?
- 4. What is an IP address? How is it related to website?
- 5. What is RISC and CISC?
- 6. Explain how many registers can 8 bit address bus address
- 7. What is bandwidth and throughput?

Q-2

- 1. Draw the block diagram of computer. Explain the function of each block in detail 8
- 2. What are registers? Name some of the commonly used registers and briefly describe the function of each. 6

OR

Q-2

- 1. Explain any one input device in detail. 6
- 2. Give the full form of the following abbreviations and explain each of them: 8
  - i. RAM      ii. ROM      iii. EPROM      iv. PROM

Q-3

- 1. Define the term operating system. Explain its various functions. 6
- 2. Explain the various types of computers. 8

OR

Q-3

- 1. With a neat diagram explain the working of colour monitor 7
- 2. Describe the working and types of modems 7

Q-4

1. What is addressing mode? Describe with examples
2. Describe the architecture of Winchester disk
3. Classify printers giving examples of each

6  
5  
3

OR

Q-4

1. Distinguish between a sequential access, a direct access, and a random access device. Give one example of each.
2. Explain the working of laser and dot matrix printers

6  
8

Q-5

1. What is IRC? Explain giving example
2. Give a few examples of browsers
3. Explain the concept of FTP
4. Which protocols come under TCP/IP protocol suite? Explain each of them

4  
2  
4  
4