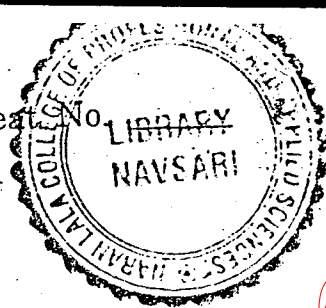


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Seat No



**B. C. A. (Sem. I) Examination**

October / November – 2002

**(103) Computer Organization**  
(New Course)

Time : 3 Hours]

[Total Marks : 70

- Instruction :**
- (1) Question 1 is compulsory.
  - (2) Draw figure wherever necessary.
  - (3) Number on right side indicate marks.

**1 Answer the following questions:**

12

1. What do you mean by digital and analog computer?
2. Explain in brief what OS is.
3. Define term VLSI and SLSI.
4. What do you mean by random access?
5. List all the utility programs and discuss any two of them.
6. Define term volatile & nonvolatile.
7. What are bit, byte and nibble?
8. If you have 16 address lines then how many maximum addresses you can have?
9. What is write-protect notch?
10. Explain term URL.
11. What is the function of ISP?
12. What is search engine?

**2 a) Narrate the evolution of computers.**

6

**b) Explain the classification of computers on the basis of speed and capacity.**

8

OR

**2 a) Draw the basic block diagram of computer & explain functional units.**

6

**b) List all addressing techniques. What is addressing mode? Explain addressing modes with example.**

8

**3 a) What is Processor? Explain the architecture of 8085 microprocessor.**

8

**b) What do you mean by auxiliary storage device? Explain any one in detail.**

6

OR

00489]

1

[Contd...

- 3 a) Explain the H/W device used in Internet to transfer the data. 8  
b) What is fetching? What is instruction cycle? Explain it. 6
- 4 a) What is the difference between SRAM & DRAM? Explain semiconductor memories. 8  
b) Describe the printer that works on non-impact fashion. 6

(1) 177

OR

- 4 a) Write a short note on pointing Devices. 6  
— b) Discuss Optical Disk in detail. 4  
— c) Describe the way by which you can have the more memory than you have. 4

- 5 a) What is Domain? What is the use of Domain name & IP address? 6  
Why  
Domain names are required?  
b) What is TCP/IP? Explain how Internet works. 6  
c) In which application of Internet SMTP & POP protocols are used? 4  
Explain that application in detail.

OR

- 5 a) Explain the protocols, which are used in E-mail. 6  
b) List out the terminology used in Internet. Explain them. 6  
c) What is browser? What is its use? Give three examples of it. 4