

Roll No. 

--	--	--	--	--	--	--	--	--	--	--	--

Total No. of Pages : 02

Total No. of Questions : 07

BCA (Sem.-5) (2007 to 2010 Batch)

**SYSTEM SOFTWARE**

Subject Code : BC-502

Paper ID : [B0220]

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and students has to attempt any FOUR questions.

**SECTION-A****I. Answer briefly :**

- (i) List various elements of an assembly language.
- (ii) What is macro processor?
- (iii) What is compiler? How it is different from an interpreter?
- (iv) What is relocation?
- (v) What is need of program linking?
- (vi) List various merits and demerits of DBMS.
- (vii) What is purpose of syntax analysis in compiler?
- (viii) List various advantages and disadvantages of assembly language.
- (ix) What is code optimization?
- (x) What are functions of a loader?

## SECTION-B

- 2) What is assembler? Explain how the design of one pass assembler is different from two pass assembler.
- 3) What is macro? Discuss its need. Explain the procedure of macro expansion by taking suitable example.
- 4) Write short notes on the following:-
  - (a) Dynamic linking
  - (b) Bootstrap loader
- 5) What is text editor? How it is different from word processor? Discuss various functions of an editor.
- 6) Explain the following:-
  - (a) Local and global optimization
  - (b) Lexical analysis
- 7) What is an operating system? What are its different types? Discuss various functions of an operating system.

a2zpapers.com