

Roll No.

Total No. of Questions : 07]

[Total No. of Pages : 02

Paper ID [BC502]

(Please fill this Paper ID in OMR Sheet)

BCA (Sem. - 5th) MAY-2008

SYSTEM SOFTWARE (BC - 502)

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Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates:

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Four** questions from Section - B.

Section - A

Q1)

(10 × 2 = 20)

- a) What is the function of Bootstrap loader?
- b) What are the errors that can be checked during on epass of an assembler?
- c) Define Semantics error.
- d) Why is it necessary to reallocate a program in memory?
- e) What are the primary functions of O.S.?
- f) Differentiate between assembler and compiler.
- g) Define DBMS.
- h) What is vi editor?
- i) Differentiate between phase and pass.
- j) Explain Intermediate code generator.

Section - B

(4 × 10 = 40)

- Q2)** Explain the various code optimization techniques with examples.
- Q3)** What is the general design procedure of an assembler?
- Q4)** How does lexical analysis differ from syntax analysis? Explain with examples.
- Q5)** Write notes on the following:
- (a) Multiprocessing systems
 - (b) Time-Sharing systems
- Q6)** What kind of error checking should a linker have? Explain.
- Q7)** Explain the various types of text editors used. Also, give their functions.

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