

Roll No. ....

Total No. of Questions : 07]

[Total No. of Pages : 02

## Paper ID [B0220]

(Please fill this Paper ID in OMR Sheet)

BCA (Sem. - 5<sup>th</sup>)

SYSTEM SOFTWARE (BC - 502)

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 vi editor?
- b) Differentiate between single pass and two pass assembler.
- c) In a two pass direct linking loader, what is the function of pass 1?
- d) Define Ambiguity.
- e) State the utilities of macro?
- f) Give the functions of DBMS.
- g) What are the functions of macroprocessor?
- h) What do you mean by Linkage editor?
- i) State some features of macro facility.
- j) What is a syntax error?

**E-256 [1208]****P.T.O.**

**Section - B****(4 × 10 = 40)**

- Q2)** What are the different phases of compiler? Explain with example.
- Q3)** Write short notes on the following:  
(a) Line editors  
(b) Debuggers
- Q4)** Explain all the elements of assembly language programming with examples.
- Q5)** What do you mean by O.S.? Explain the various O.S. used in detail.
- Q6)** Explain with examples, the various techniques used for debugging?
- Q7)** Describe the working of two-pass macroprocessor.



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