

Roll No.

Total No. of Questions : 07]

[Total No. of Pages : 02

BCA (Sem. - 5th)
SYSTEM SOFTWARE
SUBJECT CODE : BC - 502
Paper ID : [B0220]

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[Note : Please fill subject code and paper ID on OMR]

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 are various elements of assembly language?
- b) What is macro expansion? Explain.
- c) What is intermediate code generation?
- d) Define multiprogramming, multiprocessing and multi-user operating system.
- e) Explain the structure of text editor.
- f) Define linkage editor. What is its use?
- g) Explain how assembly language is different from machine level language?
- h) Define DBMS. What are various functions of DBMS?
- i) What are different views of DBMS?
- j) What is relocation? Explain.

Section - B

(4 × 10 = 40)

- Q2) Define assembly language. What are its advantages and disadvantages? Write a program in assembly language to find greater number out of two given numbers.
- Q3) Define compiler. What is its role in computer programming? Explain its structure.
- Q4) What is assembler? Explain how one pass assembler is different from two pass assembler. Explain the general design procedure of two pass assembler.
- Q5) Write a note on the following :
- (a) Micro and Macro processor.
 - (b) Advantages and disadvantages of DBMS.
- Q6) What is linking and loading. Explain various linking and loading schemes with their advantages and disadvantages.
- Q7) Write a note on the following :
- (a) Features of Text Editor.
 - (b) Functions of Operating System.

