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

[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.

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