

NAME \_\_\_\_\_

ROLLNO \_\_\_\_\_

**2008 ANNA UNIVERSITY**  
**B.E/B.TECH DEGREE EXAMINATIONS**  
**SYSTEM SOFTWARE**  
**(COMPUTER SCIENCE&ENGINEERING)**

JUNE-2008

TIME-3HOUR

**ANSWER ALL QUESTIONS**

1. Define Upward Compatibility in systems
2. What is the use of SVC instruction in SIC?
3. What are the additional registers provided in SIC/XE than SIC?
4. What is the purpose of test device instruction?
5. How is floating-point value represented using exponent in SIC?
6. Define multiprogramming.
7. Distinguish between direct addressing and indirect addressing.
8. State the purpose of assembler directives. Give one example.
9. What is the use o LOCCTR (Location counter)?
10. Why relative addressing is not possible with external references?
11. Consider the following sequence  
  
X EQU Y  
Y EQU Z  
Z RESW 1 Is a two pass assembler can resolve such a sequence of definition? Justify your Answer.
12. What is the data structure used to organize the symbol table and operation code table in a simple assembler? Why it is preferred?
13. What is a program block?
14. What is a Bootstrap Loader?
15. What is the use of Linkage editor?
16. Distinguish linking loader from linkage editor?
17. What are the advantages of Dynamic Linking?
18. What is load on Call?
19. What is the function of pass 2 of a loader?
20. What is function of a MS-DOS LINK?
21. What is the necessity of a macro and how it affects program development?
22. List the statements present in a macro definition.
23. What is a nested macro call? How is it expanded?
24. List the different parameter specification methods available in Macro processor.

25. List the data structures involved in the design of Macro processor.
26. What is the use of DEFTAB, NAMTAB and ARGTAB in macro processor?
27. What is the purpose of conditional compilation statement in ANSI C preprocessor?
28. What are the tasks performed by document editing process?
29. What is tracing?
30. How the mapping of view buffer to a window is done?
31. What is a placeholder?
32. What are the roles of a dialog manager?
33. What is the importance of user interface?
34. What are various functions of a debugger?