

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(CSE)/(IT) (Sem.-4)
SYSTEM PROGRAMMING
Subject Code : CS-210
Paper ID : [A0462]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.

SECTION A

1. Write briefly :

- i) Distinguish between Absolute and Relative addresses.
- ii) What is a Linker?
- iii) How are the ASSEMBLY languages different from programming languages?
- iv) What is a Subroutine?
- v) What do you mean by Shell?
- vi) Define Lexical Analysis.
- vii) What is Line Editor?
- viii) Define Application software with example.
- ix) What is the purpose of Debugger?
- x) Compare Phase and a Pass.

SECTION B

2. What is the difference between LEXX and YACC?
3. Explain the various Debugging Techniques.
4. What are Editors? Explain the different types of editors.
5. What is System Software? Distinguish between System Programming and Application Programming.
6. Explain Design of Kernel.

SECTION C

7. What is a two pass Assembler? List the databases used in two pass assembler along with their purposes.
8. What is a Loader? Discuss various schemes used for Loading.
9. What is OS? What are the functions of an OS? Explain briefly the management of memory by an OS.