Roll No. ⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚   Total No. of Pages : 02

Total No. of Questions : 18

B.Tech (CSE) (Sem.–4)
SYSTEM PROGRAMMING
Subject Code : CS-210
M.Code : 56517

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS 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 have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

Write briefly :

1) Screen editor

2) Vi editor

3) Compiler

4) Macros

5) Flowcharts

6) LEXX

7) Linker

8) Kernel

9) Subroutines

10) Utilities

SECTION-B

11) Describe the functions of operating system.

12) Explain syntax analysis phase of compiler.

13) What is dynamic linking? How dynamic loader helps dynamic linking?

14) What are the limitations of stack based memory allocation? Explain.

15) Explain the typical mechanism contained in the OS Kernel -

SECTION-C

16) Describe the role of System Software in Modern Computer Systems.

17) What is a symbol table? Discuss the various ways of implementing it.

18) Write a notes on code generation and code optimization techniques.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.