

Roll No.

Total No. of Pages 02

Total No. of Questions : 09

B.Tech. (Sem. – 4th)
SYSTEM PROGRAMMING
SUBJECT CODE : CS - 210
Paper ID : [CS210]

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

Time : 03 Hrs.

Max. Marks : 60

Instruction to Candidates:

1. Section -A is **Compulsory**.
2. Attempt any **Four** questions from Section - B.
3. Attempt any **Two** questions from Section - C.

SECTION - A

(10 *2 = 20 Marks)

Q1.

- a) What is vi editor? How it is useful to us?
- b) What are the salient features of DOS editor?
- c) Define instruction counter
- d) Define multi window editor.
- e) What is real operating system?
- f) Define static bindings.
- g) Write the functions of Loaders.
- h) Explain Finite automate.
- i) Define Syntax Analysis.
- j) Explain intermediate code generation.

SECTION - B

(4*5 = 20 Marks)

- Q2. Explain Intermediate code generation.
- Q3. What is First pass assembler and write the algorithm?
- Q4. Define translator and compiler.
- Q5. Describe code optimization technique.
- Q6. Write case study of x85 and x86 machines.

SECTION - C

(2*10 = 20 Marks)

- Q7. Design of Kernel and Shell in details.
- Q8. Explain Booting techniques and subroutines in details.
- Q9. Write short notes on :
- (a) Full Screen Editor and Multi Editor.
 - (b) LEXX and YACC.