

Roll No.

Total No. of Questions : 09]

[Total No. of Pages : 02

B.Tech. (Sem. - 4th)
SYSTEM PROGRAMMING

SUBJECT CODE : CS - 210

Paper ID : [A0462]

[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.
- 3) Attempt any **Two** questions from Section - C.

Section - A

Q1)

(10 × 2 = 20)

- 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)

- 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)

- 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.

□□□□