Roll No. ....

Total No. of Questions : 09]

[Total No. of Pages : 02

B.Tech. (Sem. - 4th)
SYSTEMS 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) Define multi window editor.

b) What is translator?

c) Define Lexical Analysis.

d) What is the role of finite automata?

e) What do you mean by intermediate code generation?

f) What is role of absolute loader?

g) Define subroutines.

h) What is shell?

i) What is role of kernel in an OS?

j) What is CISC?

J-1142

P.T.O.

Section - B

(4 × 5 = 20)

Q2) Explain the first pass of assembler.

Q3) What are the various management for an operating system? Explain any one.

Q4) What is the utility of debugging? Justify your answer with any case study.

Q5) Explain the role of LEXX and YAAC.

Q6) Explain the functionality of vi editor with its commands.

Section - C

(2 × 10 = 20)

Q7) Explain the various phases of compiler.

Q8) What is the functionality of loader and linker? Explain the case study of linker in X86 machines.

Q9) What is the role of booting? Explain the various booting techniques.

☐☐☐☐