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Total No. of Questions: 09]

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# B.Tech. (Sem. - 4th) SYSTEMS PROGRAMMING

**SUBJECT CODE: CS-210** 

Paper ID : [A0462]

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

Maximum Marks: 60

## **Instruction to Candidates:**

Time: 03 Hours

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

### Section - A

 $(10 \times 2 = 20)$ Q1)

- Define multi window editor.
- b) What is translator?
- Define Lexical Analysis.
- d) What is the role of finite automata?
- What do you mean by intermediate code generation?
- What is role of absolute loader?
- Define subroutines.
- What is shell?
- What is role of kernel in an OS?
- What is CISC? <u>i)</u>

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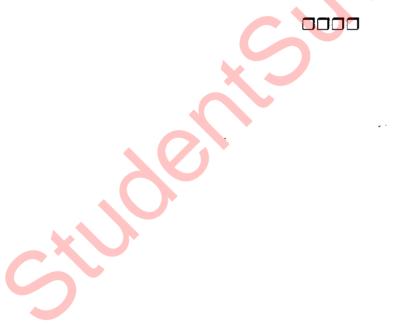
#### Section - B

 $(4 \times 5 = 20)$ 

- 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.

 $(2\times10=20)$ 

- 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.



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