

Seat No.

OCT-NOV 2025 WINTER EXAMINATION**1154 B.Tech. CBCS****Sub. Name: System Programming****Sub. Code: 66294/80795/81034****Day and Date: Monday ,15-12-2025****Total Marks: 70****Time: 02:30 PM To 05:00 PM**

Instructions: 1. All questions are compulsory
 2. Draw neat labelled diagrams wherever necessary
 3. Figures to the right indicate full marks

- Q1) Solve any 2 of following [14]**
- A. What are language processor? Explain fundamentals of language processing [7]
- B. Write a note on toy compiler. [7]
- C. Explain language processor development tools. [7]
- Q2) Solve any 2 of following [14]**
- A. Write a note on intermediate code form. [7]
- B. How the problem of forward reference is resolved in assembler? [7]
- C. Explain Pass I of two pass assemblers? [7]
- Q3) Solve any 2 of following [14]**
- A. Explain different data structure of macro preprocessors with content in details? [7]
- B. Explain nested macro call with example? [7]
- C. Explain code optimization in compilation? Brief about local and global code optimization? [7]
- Q4) Solve any 2 of following [14]**
- A. Explain use of interpreters. What are pure and impure interpreters? [7]
- B. Explain in details for intermediate code generation for expression. [7]
- C. What is relocation? Discuss role of relocation factor to perform relocation. [7]
- Q5) Solve any 2 of following [14]**

- A.** Explain design of an editor with suitable diagram. [7]
- B.** Explain about tools used in enhancement of program performance. [7]
- C.** Write short note on: [7]
a. Command dialog
b. UI structure

End Of Question Paper

Important Note for Chief Exam Officer / SRPD Coordinator / Sr Supervisor/ Student -

This Question Paper may be distributed for following Subjects as common code.

सदरची प्रश्नपत्रिका खालील विषयांकरिता वितरित करता येईल.

- 1] (1154) B.Tech. CBCS (80795) System Programming Part 3 SEM 5
- 2] (101) Bachelor of Engineering (66294) System Programming Part 3 SEM 5
- 3] (101) Bachelor of Engineering (81034) System Programming Part 3 SEM 5