Visit **www.brpaper.com** for downloading previous years question papers of 10th and 12th (PSEB and CBSE), B-Tech, Diploma, BBA, BCA, MBA, MCA, M-Tech, PGDCA, B-Com, BSC-IT, MSC-IT.

Roll No.				Total No. of Pages : 02

Total No. of Questions: 09

B.Tech.(CSE)/(IT) (Sem.-4)
SYSTEM PROGRAMMING
Subject Code: CS-210

Paper ID : [A0462]

Time: 3 Hrs. Max. Marks: 60

#### **INSTRUCTION TO CANDIDATES:**

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- 2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
- 3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

# **SECTION A**

# 1. Write briefly:

- 1. What is two pass assembler?
- 2. Name the different types of Editors.
- 3. Define DROP and USING.
- 4. What is the need for language translators?
- 5. Compare Open and Closed subroutine.
- 6. Name two registers used in machine/assembly language.
- 7. Explain System Software with example.
- 8. Distinguish between Syntax and Semantic analysis.
- 9. Name the different Debugging Techniques.
- 10. Explain the concept of loader.

1 | M C o d e 5 6 5 1 7 (S 2 ) - 9 2 1

Visit **www.brpaper.com** for downloading previous years question papers of 10th and 12th (PSEB and CBSE), B-Tech, Diploma, BBA, BCA, MBA, MCA, M-Tech, PGDCA, B-Com, BSC-IT, MSC-IT.

### **SECTION-B**

- 2. Difference between Compiler and Interpreter.
- 3. Describe Code Optimization Techniques.
- 4. Write a short note on:
  - a) LEXX
  - b) YACC
- 5. Explain the function and Structure of Text editor.
- 6. Explain the concept of Linking and Loading in detail.

## **SECTION-C**

- 7. What is compiler? Explain the various Phases of compiler with diagram.
- 8. What do you understand by the term OS? Explain the design of Kernel and design of shell in details.
- 9. Discuss:
  - a) Algorithm for one pass Assembler and two pass Assembler
  - b) Code generation.
  - c) Multi Window Editor.
  - d) Debugger.

**2** | M C o d e 5 6 5 1 7 (S 2) - 9 2 1