

D 025

B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2003.

Third Semester

Computer Science and Engineering

CS 233 — SYSTEM SOFTWARE

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define System Software.
2. Illustrate how input and output operations are performed in SIC.
3. Compare assembler and compiler.
4. List the types of assemblers.
5. What is a loader?
6. Give an example of data shared between PES.
7. Define macro.
8. What is conditional macro expansion?
9. List the various phases of a compiler.
10. What is debugging?

PART B — (5 × 16 = 80 marks)

11. Write short notes on System Software tools with examples.
12. (a) Explain the various instruction formats provide atleast 3 examples for each.

Or

- (b) Explain addressing modes in detail.

13. (a) Explain machine dependent assembler features.

Or

(b) Explain Assembler design options in detail.

14. (a) Explain Dynamic linking in detail.

Or

(b) Write short notes on machine independent loader features.

15. (a) Explain different types of linkers.

Or

(b) Explain the implementation of text editors in detail.
