

21U628

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Name:

Reg.No:

SIXTH SEMESTER B.Sc./B.C.A. DEGREE EXAMINATION, APRIL 2024

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19U BCS6 B16 / CC19U BCA6 B16 - SYSTEM SOFTWARE

(Computer Science / Computer Application - Elective Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. Describe a Compiler.
2. Describe the syntax of an Assembly language statement.
3. Inspect the syntax of a macro prototype statements.
4. Examine how does a macro processor differ from a macro assembler?
5. Detect what are bootstrap loader.
6. Examine about Absolute loader.
7. Detect the concept of binders.
8. Explain Semantic Analysis.
9. Review on the different optimising transformations used in code optimisation.
10. Analyse Tokens in lexical analyser.
11. Inspect LEX.
12. Examine scanners in YACC.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. Interpret the differences between hardware and software.
14. Examine the functions macroprocessors.
15. Arrange the various features of Macros.
16. Distinguish between dynamic loading and dynamic linking.

17. Compare between Non-Relocatable programs and relocatable programs.
18. Explain about Lexical Errors.
19. Discuss the problems solved with a Multipass compiler.

(Ceiling: 30 Marks)

Part C (Essay questions)

Answer any *one* question. The question carries 10 marks.

20. Integrate the working of macro expansion with example.
21. Discuss the different analyses performed in Analysis Phase of a Compiler.

(1 × 10 = 10 Marks)
