

**23U629**

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Name: .....

Reg.No: .....

**SIXTH SEMESTER B.Sc./B.C.A. DEGREE EXAMINATION, APRIL 2026**

(CBCSS - UG)

(Regular/Supplementary/Improvement)

**CC19UBCS6B16 / CC19UBCA6B16 - SYSTEM SOFTWARE**

(Computer Science / Computer Application - Core 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 System Soft Software.
2. Explain imperative statements.
3. Detect macro instruction parameters.
4. Inspect the Lexical Substitution in Macro expansion.
5. Analyse direct linking loader.
6. Analyse the concept of overlays.
7. Analyse Self-Relocating programs.
8. Explain Local Code Optimisation.
9. Interpret a note about the entries of a symbol table.
10. Detect the role of Lexical analyser.
11. Describe a Compiler.
12. Detect what does YACC stands for.

**(Ceiling: 20 Marks)**

**Part B** (Short essay questions - Paragraph)

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

13. Summarize the differences between Assembler and Compiler.
14. Distinguish between Macros and Procedures.
15. Analyse the pass structure of macro-assembler.
16. Contrast between allocation and relocation.
17. Distinguish between dynamic loading and dynamic linking.

18. Summarize the steps involved in Synthesis Phase.
19. Report a short description about the Single Pass compiler.

**(Ceiling: 30 Marks)**

**Part C** (Essay questions)

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

20. Examine how expansion time variables used in macros. Explain the advantages of using them.
21. Explain about the various components of the intermediate representations produced by the Analysis Phase.

**(1 × 10 = 10 Marks)**

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