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# SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2022
## (CBCSS - UG)
### CC19U BCS6 B16 / CC19U BCA6 B16 - SYSTEM SOFTWARE
(Computer Science - Core Course)

(2019 Admission - Regular)

Time : 2.00 Hours                                        Maximum : 60 Marks

Credit : 3

**Part A** (Short answer questions)

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

1. Interpret an Assembler.

2. Interpret the purpose of DS an DC statements in an Assembly programming with syntax.

3. Detect the uses of Macro.

4. Inspect the syntax of the expansion time statement AGO.

5. Group the major classifications of binders.

6. Group the advantagess of Dynamic Loading.

7. Examine the term program relocatability.

8. Explain Semantic Analysis.

9. Interpret a note about the entries of a symbol table.

10. Detect about a Parser.

11. Examine the tokens in LEX?

12. Examine scanners in YACC.

**(Ceiling: 20 Marks)**

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

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

13. Summarize the difference between Utility Softwares and Firmware Softwares.

14. Examine about positional parameters in a Macro instruction.

15. Examine the design of a macro processor with diagram.

16. Organise the functions of a loader.

17. Examine the design of Absolute loader with its advantages and dis adbantages.

18. Summarize the steps involved in Synthesis Phase.

19. Interpret the comparison between single pass and Multipasses of a compiler.

**(Ceiling: 30 Marks)**

**Part C** (Essay questions)

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

20. Organize with suitable example how a macro can be called and defined.

21. a) Explain the functions in Code Generation.

    b) Report and explain the important issues in Code Generation.

**(1 × 10 = 10 Marks)**

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