

20U628

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Name:

Reg.No:

SIXTH SEMESTER B.Sc./B.C.A. DEGREE EXAMINATION, APRIL 2023

(CBCSS - UG)

(Regular/Supplementary/Improvement)

C19U 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 linker.
2. Explain imperative statements.
3. Analyse the two kinds of parameters used in Macros.
4. Analyse what are macro assemblers.
5. Examine about allocation.
6. Examine the concept of dynamic linking.
7. Inspect a non-relocatable programs.
8. Explain error correction techniques.
9. Explain how many passes a compiler should have. Which are they?
10. Detect the role of Lexical analyser.
11. Examine Lexeme.
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. Analyse Lexical substitution in Macro expansion.
15. Inspect about nested macro expansion.
16. Examine the concept of relocating loaders with its advantages and disadvantages.
17. Arrange and give a note on the major classes of binders.

18. Explain the responsibilities of a compiler.

19. Explain the basic tasks of a scanner.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Examine the main facilities of Macro with suitable example.

21. a) Explain how the Elimination of common sub expression is useful in code Optimisation

b) Explain the two phases of optimisation of a program.

(1 × 10 = 10 Marks)
