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(Pages : 2)

Name.....

Reg. No.....

**SIXTH SEMESTER U.G. (CBCSS—UG) DEGREE EXAMINATION  
MARCH 2024**

BCA/Computer Science

BCA 6B 16 (A)—SYSTEM SOFTWARE

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

**Section A (Short Answer Type Questions)**

*Answer **all** questions, each correct answer carries a maximum of 2 marks.*

*Ceiling 20 marks.*

1. Define macro.
2. What is a compiler ?
3. What is static and dynamic binding ?
4. What are the advantages of assembly language ?
5. What are intermediate code forms ?
6. What are the aspects of compilation ?
7. What is macro definition.
8. Define recursive procedure.
9. What is code optimization ?
10. How does macro differ from a subroutine ?
11. What are the uses of interpreters ?
12. What is a binary program ?

**Turn over**

**Section B (Short Essay Type Questions)**

*Answer **all** questions, each correct answer carries a maximum of 5 marks.*

*Ceiling 30 marks.*

13. Explain the design of assembler.
14. Explain macro expansion.
15. Explain design of a macro preprocessor.
16. Differentiate static and dynamic memory allocation.
17. Explain linking for overlays ?
18. What is a self-relocating program ?
19. What is direct linking loader ?

**Section C (Essay Type Questions)**

*Answer any **one** question, correct answer carries 10 marks.*

20. Explain passes of a compiler.
21. Explain different types of loaders.

(1 × 10 = 10 marks)