G 373 (Pages : 2)

B.TECH. DEGREE EXAMINATION, MAY 2014.

Sixth Semester

Branch : Computer Science and Engineering

CS 010 603—SYSTEM SOFTWARE (CS)

(New Scheme—2010 Admission onwards)

[Regular/Improvement/Supplementary]

Time : Three Hours

Maximum : 100 Marks

Part A

Answer **all** *questions.*
Each question carries 3 marks.

1. What is parameterised Macros ?

2. What are Literals ? Explain.

3. Explain the functions of a linker.

4. What is backtracking ?

5. Explain the role of device drivers.

(5 × 3 = 15 marks)

Part B

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

6. Explain briefly the basic functions of Macro preprocessor.

7. What are addressing modes ? Explain.

8. Explain automatic library search.

9. What is a debugger ? Explain.

10. What are character devices ? Explain.

(5 × 5 = 25 marks)

Part C

Answer **all** *questions.*
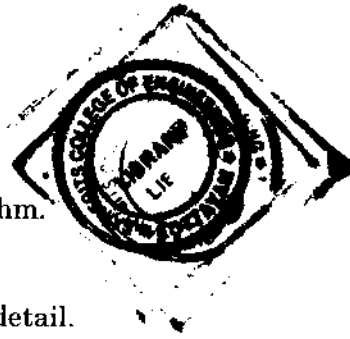*Each full question carries 12 marks.*

11. Give a brief description of Database Management System.

Or

12. Explain Macro Processor design in detail.

Turn over

13. Discuss the single pass assembler and its algorithm.

Or

14. Describe program blocks and control sections in detail.

15. With diagram, explain how the calling and loading of a subroutine is done using dynamic linking.

Or

16. Explain different types of loaders.

17. What are text editors ? Explain the basic ideas of a text editor.

Or

18. Explain any *two* debugging methods in detail.

19. Explain the general design of a device driver.

Or

20. With a case study explain any *one* device driver.

(5 × 12 = 60 marks)