



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A.DEGREE EXAMINATION – COMPUTER APPLICATIONS

THIRD SEMESTER – NOVEMBER 2018

17PCA3ES02– SYSTEM SOFTWARE

Date: 31-10-2018
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

Part-A

Answer ALL Questions

(10 * 2= 20 Marks)

1. Define System software?
2. What are the assembler directives?
3. Difference between absolute loader and linking loader?
4. Comment on bitmask.
5. What is macro instruction?
6. What is a special concatenation operator?
7. Define Lexical analysis.
8. Differentiate between terminal and non-terminal Symbols?
9. Define Data dependency.
10. What is the use of line editor

Part – B

Answer ALL Questions

(5 * 8= 40 Marks)

11. a) Explain the basic Assembler features.
(or)
b) Write short notes Program relocation with an example.
12. a) Explain basic loader functions.
(or)
b) Write short notes on machine dependent loader features.
13. a). Illustrate the macro definitions and expansion with an example.
(or)
b). Explain Recursive macro expansion.

14. a) Write short notes on Lexical analysis.

(or)

b) Explain the design options for Compiler.

15. a) Explain the different levels of Data description.

(or)

b). Explain debugging functions and capabilities.

Part – C

Answer any TWO Questions

(2 * 20= 40 Marks)

16. Discuss SIX/XE machine architecture in detail – 20 marks

17. a) Explain Loader design options in detail.

a) Describe Macro processor algorithm in detail.

18. a) Explain Syntactic analysis in detail

b) Discuss Text editors in detail.

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