**Subject:System Programming**

**Subject Code:CST-315**

# Sample-1

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| Q. No | Statement | CO mapping |
| **Section A**  5 x 2 = 10 marks | | |
| 1 | Define System Programming with example. | CO1 |
| 2 | List Various techniques of Code optimization. | CO3 |
| 3 | Why it is required to relocate the programs sometimes. | CO4 |
| 4 | Highlight the need of Linking in programming? | CO4 |
| 5 | Discuss the term cold Booting. | CO5 |
| **Section B**  4 x 5 = 20 marks | | |
| 6 | Elaborate the term nested macro calls? Explain with the help of a coding example. | CO1 |
| 7 | How many types of Parser are there. Explain Recursive Descent Parser. | CO3 |
| 8 | List down different Loading schemes. Explain Relocatable loader. | CO4 |
| 9 | Explain various parts of operating System. | CO5 |
| **Section C**  3 x 10 = 30 marks | | |
| 10 | Explain w.r.t Assembler  a) Data Structures of Pass 1  b) Multipass Assembler | CO2 |
| 11 | List various tools of Compilation.Discuss the case studies of   1. LEX 2. YACC | CO3 |
| 12 | Define Editor. Justify their need. Elaborate each type with examples. | CO5 |

Best wishes!!

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