**Subject:System Programming**

**Subject Code:CST-315**

# Sample-2

|  |  |  |
| --- | --- | --- |
| Q. No | Statement | CO mapping |
| Section A  5 x 2 = 10 marks | | |
| 1 | Highlight the term Advanced Macro facilities. | CO1 |
| 2 | List various Debugging Techniques. | CO2 |
| 3 | Justify the role of Relocation in programming. | CO4 |
| 4 | Define the term Shell. | CO5 |
| 5 | Justify the importance of Booting in Operating System. | CO5 |
| Section B  4 x 5 = 20 marks | | |
| 6 | Compare Assembler Vs Compiler. Discuss about Elements of Assembly Language Programming. | CO2 |
| 7 | Define Parsing. What is Shift reduce parsing. Check acceptability of the following string w.r.t given grammar.  String- abbcde  Grammar- S->aABe A->Abc/b B->d | A->Abc/b |
| 8 | Discuss Linking in -   1. MS-DOS 2. Overlay Structured programs | CO4 |
| 9 | Why Editors are used. How will differentiate Multi window editor vs Screen Editor. | CO5 |
| Section C  3 x 10 = 30 marks | | |
| 10 | Describe Multi pass Assembler. List all the variants of Assembler. | CO2 |
| 11 | Implement Predictive Parser with an example. Which grammar is used in Top Don Parsing. | CO3 |
| 12 | Write short notes on following   1. Linking Loader 2. General Loader scheme. | CO5 |

Best wishes!!

--

**Dr. Mahakdeep Singh** / Controller of Examination

[me.mehak@cumail.in](mailto:me.mehak@cumail.in)

**1st University in North India to FORGE 100+ PARTNERSHIPS with Best International Universities**

**Chandigarh University**

[www.cuchd.in](http://www.cuchd.in/www.cuchd.in)

Chandigarh University, NH-95 Chandigarh-Ludhiana Highway, Mohali, Punjab (INDIA)



"This email may be confidential or privileged. If you received this communication by mistake, please don't forward it to anyone else, please erase all copies and attachments, and please let me know that it went to the wrong person."

Please consider the environment before printing this e-mail!