# Siddaganga Institute of Technology, Tumkur-572103

Department of Computer Science and Engineering

**CRYPTOGRAPHY AND NETWORK SECURITY LAB (7CSL02)**

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| Student Name: | | | USN: | Batch No: | | Date: | |
| **Evaluation:** | | | | | | | |
| **Write Up (10 marks)** | **Clarity in concepts (10 marks)** | **Implementation and execution of the algorithms (10 marks)** | | | **Viva (05 marks)** | | **Total (35 marks)** |
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| Sl.No | Name of the Faculty In-Charge | | | | | | Signature |
| 1. |  | | | | | |  |
| 2. |  | | | | | |  |
| **Question No: 6**  Given 64-bit output of (i-1)th round of DES, 48-bit ith round key Ki and E table, find the 48-bit input for S-box. | | | | | | | |
| Algorithm: Follow the flow-chart and tables given below.   |  |  | | --- | --- | | C:\Users\AKSHAT\Desktop\Capture.PNG | C:\Users\AKSHAT\Desktop\Capture.PNG | | Figure: Generation of 48-bit input for S-box. | Table: Expansion Permutation | | | | | | | | |