**QUIZ NO: 1 (BSE-4B)**

**Q.1** No of attributes in a table is 7. Find maximum no of super keys in that table.

Sol: (2^7)-1 = 127

**Q.2** Find super keys, candidate keys and primary key of following relation.

|  |  |  |  |
| --- | --- | --- | --- |
| A | B | C | D |
| 3 | 1 | 1 | 1 |
| 4 | 9 | 9 | 5 |
| 3 | 8 | 6 | 7 |
| 9 | 4 | 3 | 9 |

Sol:

SK: B, BA, BC, BD, BAC, BAD, BCD, BACD, C, CA, CD, CAD, D, AD

CK: B, C, D (Any one can be selected as PK, but only one)