

**B.Tech., CSE IV Sem.,
Section-A, 2018-19**

Theory of Computation

January 15, 2019

1. What is objective of studying TOC? (25 words)
2. What is formal language? (10 words)
3. How many bit operations are performed in:
 - (a) Adding 101 and 111
 - (b) Multiplying 101 and 111
 - (c) Exclusive OR of 101 and 111
4. List the names of 4 language classes.