

SIXTH SEMESTER

NON CBCS

ASSIGNMENT FOR INTERNAL EVALUATION 2021

TOTAL MARKS-30

SUB: THEORY OF COMPUTATION

SUBMISSION LAST DATE: 10/8/2021

EACH QUESTION CARRY 10 MARKS

Question 1. Construct a NFA which accepts set of all strings over  $\{a,b\}$  where each string starts with an 'a'.

Question 2. Construct a DFA that accepts set of all strings over  $\{a,b\}$  of length 2.

Question 3. Convert the following NFA to DFA

