

CSE331 Section 1

SET-B

Quiz-1

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Time: 30 minutes || Total marks: 13

1. Design a DFA that accepts the strings in which the number of θ 's is even and the length of the string is odd. Note that $\Sigma = \{0,1\}$. Give the DFA in transition diagram, transition table and 5-tuple form.

Find out the extended transition function, & (qc,10101), where qc is the start state. [6+2]

2. Convert the following NFA to an equivalent DFA. [5]

