MC 304 (Theory of computation)

Surprise Test-2

Max. Marks : 10.

- Q1. Find the regular expression which
- sepresents the set of all straings over { a, b} Raving abab as a substring.
- 82. Find the segular expression representing the set of all strings over {9, b} of length 4, starting with an 'a'.
- 83. whether the following statements are true or false.
 - (i) every regular language over I is fluite.
 - (ii) aa+ bb is the same as (a+b)*
- ay. construct a finite automaton for the regular expression (a+b)*abb
- 85. Using Pumping lemma show that the set {anban | n>0} is not regular.