CS 302
QUIZ 5

22 October, 2019

ANSWERS

*(a)(5 pts) All **non-negative fractional numbers** expressed in binary notation where **jth** digit to the left of the binary point is the coefficient of 2^{j-1} and j^{th} digit to the right of binary point is the coefficient of 2^{-j}*

(b)(5 pts)

$$S \Rightarrow 1T \Rightarrow 10T \Rightarrow 10.Q \Rightarrow 10.0Q \Rightarrow 10.01$$

$$S \rightarrow 1T \quad T \rightarrow 0T \quad T \rightarrow .Q \quad Q \rightarrow 0Q \quad Q \rightarrow 1$$