

12.13.5.8

EE22BTECH11052 - SUJAL GUPTA

- 1) Suppose X has a binomial distribution $B\left(6, \frac{1}{2}\right)$.
Show that $X = 3$ is the most likely outcome.
(Hint : $P(X = 3)$ is the maximum among all $P(x_i), x_i = 0, 1, 2, 3, 4, 5, 6$)