Quiz 2 Advanced Computer Networks (Monsoon 19)
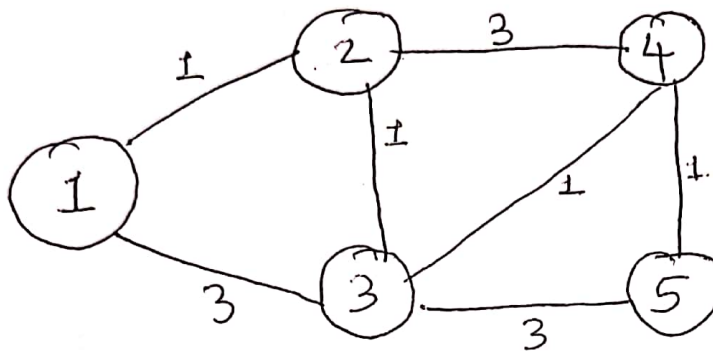
1. What are 4 different ways in which IPSec can be set? (2M)
2. Consider the following diagram.
   Cost of the
   Find out the shortest path from 1 to 5 using bellman-ford. (Procedure described in the class should be followed.) (5M)

3. If I am using M/M/1/1 queue model what would be blocking probability? Derive the formula (2M)

   Calculate blocking probability when , with $\lambda = 0.3 \, \mu$ and , with $\lambda = 1.3 \, \mu$ (1M)