

Quiz 9
Operating Systems and Networks
IIT Hyderabad
Time: 30 minutes; Max. Marks: 24

Note: Give a brief and correct answer. **Mention your name and roll number on the answer sheet. Answer the question after writing the FIRST 10 WORDS OF THE QUESTION ALONG WITH THE QUESTION NUMBER in the answer sheet.**

1. Explain why FIFO packet scheduling algorithm fails to provide good service for diverse applications? [6]
2. Explain the purpose of leaky bucket algorithm? What will happen, if you do not implement leaky bucket algorithm? [6]
3. What are the issues of implementing “Connection Establishment” in the transport protocol? Explain the justification of employing three-way hand shake.[6]
4. Explain the issue of regulating the sending rates to obtain desirable bandwidth controlling the congestion? Additive Increase Multiplicative Decrease (AIMD)? [6]