

Quiz 7
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. Briefly explain the importance of “quality of service” and “admission control”. [3]
2. Identify whether the following statements are TRUE or FALSE. If the statement is FALSE, correct it and justify the corrected sentence. If the statement is TRUE, justify it. Restrict the justification to few (less than five) sentences. “In UNIX, system administrator (root) can know the passwords of users”. [3]
3. Briefly explain the following consistency semantics with positive and negative points. (i) UNIX semantics (ii) session semantics. [6]
4. How RAID 4 is better than RAID 3? Also, compare RAID 4 and RAID 5 [6]
5. Define the word “quality of service”. Discuss what techniques could be used to meet quality-of-service requirements for multimedia applications for the following components of a system: (a) Process scheduler (b) Disk scheduler (c) Memory manager [6]