



School of Computer Science and Software Engineering

CSE3020 Network Technology Semester 2, 2003

Tutorial 9 - Week 10

Question T9.1 - Briefly describe the fundamental differences between packet switching and cell switching.

From Forouzan 2th Edition, page 554-556, or lecture slides no 3.

Question T9.2 - Explain how ATM is able to achieve very high data rates.

From Stallings 7th Edition, page 338.

Question T9.3 - With the aid of sketches, briefly explain what is transmission paths (TPs), virtual paths (VPs), and virtual channels (VCs).

From Stallings 7th Edition, page 340.

Question T9.4 - What are the advantages of the use of virtual paths?

From Stallings 7th Edition, page 340.

Question T9.5 - With the aid of sketches, briefly explain the call establishment process in the ATM network.

From Stallings 7th Edition, page 341.

Question T9.6 - Sketch the format of an ATM cell. List and briefly explain the fields in the ATM cell.

From Stallings 7th Edition, pages 344-346.

Question T9.7 - Briefly explain the categories of attributes defined in the ATM quality of service.

From Forouzan 2th Edition, pages 577-578.

Question T9.8 - List and briefly define the ATM service categories.

From Stallings 7th Edition, pages 353-356. Note: 4 classes will do, ignore GFR for this year.

Question T9.9 - What services are provided by AAL?

From Stallings 7th Edition, page 357.