NC 7101 High Performance Networks

Important 13mark questions

Unit I

1. What are the different layers of ATM? Explain the function of each layer and computer it with OSI model.
2. What is ISDN? Outline the architecture of broadband ISDN with a diagram.

Unit II

1. Discuss about scheduling policies adopted for multimedia applications with appropriate diagrams.
2. Highlight the design goals of resource reservation protocol and outline how resource reservation protocol works.

Unit III

1. Discuss the MPLS architecture and the routing process in MPLS based VPN.
2. Outline multi-protocol label switching with an example and a diagram.

Unit IV

1. Outline the use of anon-Poisson model for modeling Internet traffic flow with an example.
2. Explain the non-Poisson modeling helps in designing an efficient network and explain how traffic modeling helps in network management.

Unit V

1. What is authentication? Discuss about merits and demerits of different authentication protocols.
2. Outline network management using simple network management protocol.