**1st and 2nd Module Questions**

**Sub: CS 606 Computer Networks**

**Module I**

**5 mark questions**

1. Compare and contrast ISO/OSI and TCP/IP reference models
2. Explain the relevance of standards and protocols in computer networks.
3. Briefly explain wireless network
4. Differentiate between LAN,MAN and MAN
5. Explain types of network based on transmission technology?

**10 mark questions**

1. With neat sketch diagram, explain OSI reference model in detail.
2. Explain TCP/IP reference model in detail.
3. Explain any 5 network topologies. Also mention the advantages and disadvantages of each.

**Module II**

**5 mark questions**

1. Briefly explain what is transport layer multiplexing and demultiplexing.
2. Differentiate between virtual and datagram circuit services
3. Explain fragmentation and reassembly
4. Explain transport layer services
5. Explain network layer services

**10 mark questions**

1. Explain congestion control mechanisms in TCP
2. Differentiate between TCP and UDP segment structure in detail
3. Explain IP segment structure with a neat diagram
4. Explain connection establishment and termination in TCP
5. Define flow control. Also explain different flow control techniques.