

C 41297

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**SIXTH SEMESTER B.TECH (ENGINEERING) DEGREE EXAMINATION  
MAY 2013**

**IT/CS/PTCS 09 603—COMPUTER NETWORKS**  
(2009 Admission onwards)

Time : Three Hours

Maximum : 70 Marks

**Part A**

*Answer all questions.*

1. Write the significance of using the bluetooth technology.
2. Write about the ATM design goals.
3. Define internetworking.
4. Write the significance of using MSDP.
5. Name the upper OSI layers.

(5 × 2 = 10 marks)

**Part B**

*Answer any four questions.*

6. Write in detail about the Resilient packet ring.
7. Explain about the working of Gateways.
8. Explain about the DVMRP in detail.
9. Explain about virtual private networks.
10. Explain about the Reliable byte stream in TCP.
11. Explain about the working of the presentation layer.

(4 × 5 = 20 marks)

**Part C**

12. (a) Explain in detail about the circuit switching, packet switching and message switching techniques.

*Or*

- (b) Explain about Token Ring Media Access Control and Token Ring Maintenance.

13. (a) Explain about Bridges and Routers in detail.

*Or*

- (b) Explain in detail about subnetting, CIDR and BGP.

Turn over

197.168.2.1

14. (a) Explain in detail about Multicast addresses and Multicast routing.

*Or*

(b) Explain in detail about destination based forwarding technique.

15. (a) Explain in detail about the End-to-End protocols.

*Or*

(b) Explain about connection establishment and termination issues in TCP and UPP.

(4 × 10 = 40 marks)