

Total No. of Pages: 1

**6429**

Register Number  
Name of the Candidate:

**M.Sc. DEGREE EXAMINATION, May 2015**

**(INFORMATION TECHNOLOGY)**

**(SECOND SEMESTER)**

**241: COMPUTER NETWORKS**

Time: Three hours

Maximum: 100 marks

---

**SECTION-A**

**(8×5=40)**

**Answer any EIGHT questions**

1. Explain the structure of computer networks.
2. Explain the design issues for the layers.
3. Give a brief account on SDLC.
4. Explain the procedure for simplex stop and wait protocol.
5. Explain the IEEE standard 802 for LAN.
6. Explain briefly any two congestion control algorithm.
7. Explain the Encryption methods with examples.
8. Write a short note on ISO security Recommendations.
9. Explain the five basic functions of e-mail systems.
10. Explain the Key components of SNMP.

**SECTION-B**

**(3×20=60)**

**Answer any THREE questions**

11. What is Network topology? Explain any four types of Network topology in detail.
12. Describe the High level Data link control protocol in detail.
13. Explain the various routing algorithms in detail.
14. Explain the working of Data Encryption Standard.
15. Describe the various protocols for file management.

\*\*\*\*\*