

Roll No.

Total No. of Pages : 02

Total No. of Questions : 15

**MBA (2014 to 2017) (Sem.-4)**  
**INTRODUCTIONS TO COMPUTER NETWORKS**

Subject Code : MBA-990

Paper ID : [A2550]

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A contains SIX questions carrying FIVE marks each and students has to attempt any FOUR questions.
2. SECTIONS-B consists of FOUR Subsections : Units-I, II, III & IV. Each Subsection contains TWO questions each carrying EIGHT marks each and student has to attempt any ONE question from each Subsection.
3. SECTION-C is COMPULSORY carrying EIGHT marks.

**SECTION-A**

1. Discuss network topology.
2. What is data and signals?
3. Write in short use of CDMA/CD.
4. What are firewalls?
5. Write the application of http.
6. Give the introduction of Routing Algorithms.

**SECTION-B**

**UNIT-I**

7. Write a short note on protocols and network standards.
8. Explain in detail OSI model for networking.

### UNIT-II

9. Explain the role and importance of error detection and correction in computer networks.
10. Write a short note on bridges, switches and gateways.

### UNIT-III

11. Write a short note on IPv4 addressing scheme.
12. Give the introduction of domain name system.

### UNIT-IV

13. What is cryptography? Explain types of cryptography.
14. Discuss the benefits of Digital Signatures. How they are created?

### SECTION-C

15. Explain the different steps to create a Network security environment in the College campus. What hardware and software's needed for it? Explain.