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.