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**Total No. of Questions : 08**

**M.Tech.(IT) (Sem.-1)**  
**NETWORK SECURITY**  
**Subject Code : CS-503**  
**M.Code : 35404**

**Time : 3 Hrs.**

**Max. Marks : 100**

**INSTRUCTIONS TO CANDIDATES :**

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWENTY marks.

1. What is a transaction oriented application? Explain with a suitable example.
2. What are the various Multicasting routing protocol? Explain any three of them.
3. Which of the following is one advantage that FDDI has over Token ring? Explain with example :
  - a. Fibre optic cable is difficult to wiretap
  - b. FDDI is capable of isolating cable breaks
  - c. FDDI provides fair and timely access to networks
  - d. FDDI has built in ring management
4. What are similarities and differences between OSI and TCP reference models? UDP is a connectionless protocol. Why does its exist? Explain.
5. What is digital signature? How encryption is used in it?
6. What are the security requiremenst for a computer Network? Explain.

7. Explain the following :
  - a. Methods of password cracking
  - b. Man-in-the-Middle attacks
  - c. IP Sniffing
  - d. Key(stroke) loggers
8.
  - a. What is the role of WEP in making a network secure?
  - b. What is Wireless DOS attack?
  - c. Explain three hacking tools.
  - d. What is the 802.11 standard?

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