

ASSIGNMENT QUESTIONS

IMT CENTRE FOR DISTANCE LEARNING
GHAZIABAD Distance Learning
Programme

IMT-95
SECURITY SOLUTIONS

Notes:

- a. All set of assignments would be made in a single MS. Word file and would be sent together through e-mail to imt.ankitfadia@gmail.com with a cc to nidhimathur@imtdl.ac.in & richa@imtdl.ac.in
- b. Subject of the e-mail of assignment submission should be 'UNIT-5'.
- c. Students are required to clearly mention their name, roll no, and subject code in the first page of the word file.
- d. Write answers in your own words as far as possible and refrain from copying from the textbooks/handouts.

FIRST SET OF ASSIGNMENTS (Short Answer Questions)

ASSIGNMENT-I

1. What are the two types of fabrication?
2. What is the difference between Secret Key Cryptography (SKC) and Public Key Cryptography (PKC)
3. Define the different types of IDS.
4. What is preprocessing in IDS?
5. What is Heuristics in IDS terminology⁹
6. Define the primary components for the multitier IDS architecture.
7. Define the various sensor deployment patterns in detail.
8. What is a spanning port?
9. What are ephemeral port numbers?
10. Define fragmentation and path MTU discovery.

SECOND SET OF ASSIGNMENTS (Long Answer Questions)

ASSIGNMENT-II

1. What are the advantages of using HIDS?
2. Differentiate between source address spoofing (inbound traffic) and source address spoofing (outbound traffic).
3. What are the different types of IDS architectures?
4. Discuss the advantages and disadvantages of using an IDS agent.
5. How can network-based IDS be implemented in a heavily switched environment? Discuss the various options available.

