Roll No. .....

23587

M. Tech. 3rd Semester (Forensics and Information Security) Examination – January, 2016

DISTRIBUTED SYSTEMS SECURITY

Paper : MTCF-305

Time : Three Hours] *[Maximum Marks : 100*

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt ***five*** questions in total selecting ***one*** question from each Section and Question No. 1 which is ***compulsory***. All questions carry equal marks.

1. (a) What is distributed system ? What are its different types ? $5 \times 4 = 20$

(b) What is Cross Site Scripting (XSS) ?

(c) Write note on Security using Virtualization.

(d) What is XML Firewall ?

SECTION – A

2. Write notes on : 20

   (i) Viruses

   (ii) Worms

   (iii) Trojan Horses

3. Explain in detail Distributed Systems Security. 20

SECTION – B

4. What are Application Layer Vulnerabilities ? Explain. 20

5. Write notes on : 20

   (i) Service Level Security Requirements.

   (ii) Injection Vulnerabilities

SECTION – C

6. What is sandboxing ? Explain user level, Kernel level and delegation based sandboxing. 20

7. Write a detailed note on application level security solutions. 20

SECTION – D

8. Explain SOX compliance. 20

9. Write a detailed note on cloud computing security. 20
