

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*

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*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.*

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**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 × 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