

Roll No.

23564

**M.Tech. 2nd Semester (Cyber
Forensics and Information
Security) Examination–May, 2014**

MOBILE AND WIRELESS SECURITY

Paper MTCF-204

Time : 3 hours

Max. 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 the examination.

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

1. Explain the following :

(a) Cracking WEP. 5

(b) Auditing tools. 5

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(c) IEEE 802.11. 5

(d) Server side programming in Java. 5

SECTION - A

2. (a) What are wireless cellular technologies ?
Explain. 10

(b) What is hacking ? Explain any one
hacking technique for wireless systems.
10

3. What is wireless networks system ? Discuss
its security essentials in detail. 20

SECTION - B

4. (a) What are virtual private networks ?
Explain. 10

(b) Explain the intrusion detection system.
10

5. Explain the physical hardware security issues in wireless networks. 20

SECTION - C

6. Explain :

- (a) Authentication 5
- (b) Access Control 5
- (c) Authorization 5
- (d) Confidentiality. 5

7. What is security analysis process ? Explain.

20

SECTION - D

8. What is Bluetooth technology ? Explain its working in detail. 20

9. Explain pervasive web architecture in detail.

20