

SAKARGAD – II (2014 COURSE) : WINTER-2016
SUBJECT: NETWORK SECURITY: MODULE – II

Day : Monday
Date : 19-12-2016

Time : 10.00 A.M. To 1.00 P.M.
Max. Marks: 100

N.B.

- 1) Q.4 and Q.8 are **COMPULSORY**. Out of the remaining attempt any **TWO** questions from each Section.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.
- 4) Draw diagrams wherever necessary.

SECTION – I

- Q.1 a) Define the following terms: (08)
- i) Ethical Hacker
 - ii) Cracker
 - iii) Phreaker
 - iv) Script Kiddie
- b) What is Kali Linux? Explain its features. (08)
- Q.2 a) What is IDS? Explain its type. (08)
- b) Explain steps of Ethical Hacking. (08)
- Q.3 a) Describe TCP three way handshaking. (08)
- b) What is sniffing? Explain types and counter measures. (08)
- Q.4 Write short notes on any **THREE**: (18)
- a) Key loggers
 - b) Malwares
 - c) Session Hijacking attack
 - d) Risks associated with web applications

SECTION – II

- Q.5 a) What is Buffer overflow attack? Explain stack and heap based buffer overflow attack. State its counter measures. (08)
- b) What do you mean by Social Engineering? Explain in brief. (08)
- i) Shoulder surfing
 - ii) Dumpster diving
 - iii) Tailgating
 - iv) Phishing
- Q.6 a) What is the need of Mobile security? Explain common mobile malwares. (08)
- b) What is penetration testing? Explain its types. (08)
- Q.7 a) What is Cryptography? Explain symmetric and asymmetric key cryptography. (08)
- b) What is cyber crime? Explain its types. (08)
- Q.8 Write short notes on any **THREE**: (18)
- a) Digital certificates
 - b) SQL injection attack
 - c) Blue tooth
 - d) Email security solutions

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