

DIPLOMA IN NETWORK SECURITY (2014 COURSE) : MODULE -II
WINTER :-> 2017

SUBJECT : NETWORK SECURITY MODULE – II

Day : **Saturday**
Date : **27/01/2018**

Time : **10:00 AM TO 01:00 PM**
Max. Marks : **100**

W-2017-3234

N.B.:

- 1) **Q. No. 4 and Q. No. 8 are COMPULSORY.** Out of the remaining questions attempt **ANY TWO** questions from each section.
- 2) Answers to both the sections should be written in **SEPARATE** answer books.
- 3) Draw neat and labeled diagrams **WHEREVER** necessary.
- 4) Figures to the right indicate **FULL** marks.
- 5) Assume suitable data if necessary.

SECTION – I

- Q.1** a) What is Ethical Hacking? Explain testing techniques used by ethical hacker for penetration testing. [08]
- b) Explain in brief installation prerequisites and process for Kali Linux. [08]
- Q.2** a) What is IDS? Explain its types. [08]
- b) What is scanning? Explain its types. [08]
- Q.3** a) What is ransomware? Explain any one famous ransomware, with its counter measures. [08]
- b) What are the advantages and disadvantages of wireless network? [08]
- Q.4** Write short notes on **ANY THREE** of the following: [18]
- a) TCP three way handshaking
 - b) Honeypot
 - c) DoS and DDoS attack
 - d) Hacking vs. ethical hacking

SECTION – II

- Q.5** a) What is Social Engineering? Explain its types with examples. [08]
- b) What is password cracking? Explain different methods of password cracking. [08]
- Q.6** a) Explain cellphone security measures. [08]
- b) What is penetration testing? Explain its types. [08]
- Q.7** a) Explain : i) Stream cipher ii) Block cipher [08]
- b) Explain Public Key Infrastructure. [08]
- Q.8** Write short notes on **ANY THREE** of the following: [18]
- a) Cybercrime and its types
 - b) Mobile malwares
 - c) Key loggers
 - d) Penetration testing vs. Vulnerability assessment

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