DIPLOMA IN NETWORK SECURITY (2014 COURSE) :
SUMMER - 2018
SUBJECT : NETWORK SECURITY MODULE – II

Sem III & IV

Day : **Saturday** Time : **10:00 AM TO 01:00 PM**
Date : **16/06/2018** Max. Marks : 100

S-2018-3302

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)** Explain : **i)** Cracker **ii)** Phreaker **iii)** Cyber terrorist **iv)** Hactivism **[08]**

b) Explain in brief steps of Ethical Hacking. **[08]**

Q.2 **a)** Explain : **i)** Spyware **ii)** Ransomware **[08]**

b) Explain : **i)** DoS attack **ii)** SYN flooding attack **[08]**

Q.3 **a)** Explain Man in the middle attack(MITM) with counter measures. **[08]**

b) What is SQL injection? Explain threats associated with SQL injection attack. **[08]**

Q.4 Write short notes on **ANY THREE** of the following: **[18]**

a) Web server hardening methods
b) IP spoofing
c) War driving and war walking
d) Kali Linux and its features

SECTION – II

Q.5 **a)** Explain: **i)** Sniffing **ii)** ARP poisoning. **[08]**

b) Explain email security measures. **[08]**

Q.6 **a)** Explain smart phone vulnerabilities and security measures. **[08]**

b) What is cryptography? Explain digital certificates. **[08]**

Q.7 **a)** What is penetration testing? Explain its need. **[08]**

b) Explain in brief cybercrimes and Indian cyber law. **[08]**

Q.8 Write short notes on **ANY THREE** of the following: **[18]**

a) Symmetric and Asymmetric key cryptography
b) Social engineering attack
c) Buffer overflow attack and counter measure
d) Bluetooth based attacks

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