

DIPLOMA IN NETWORK SECURITY (2009 COURSE) :

SUMMER - 2018

SUBJECT: MODULE – II: NETWORK SECURITY

Sem -III & IV

Day: **Saturday**
Date: **16/06/2018**

S-2018-3300

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

N.B.:

- 1) **Q. No. 4 and Q. No. 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 neat labeled diagrams **WHEREVER** necessary.

SECTION-I

- Q.1**
- a) What is Ethical Hacking? Explain classes of hackers. **(08)**
 - b)
 - i) Explain any two computer related crimes covered under Indian Penal Code and Special laws. **(04)**
 - ii) What is Google hacking? Explain Google language translator tool. **(04)**
- Q.2**
- a) Explain in brief: **(08)**
 - i) Scanning
 - ii) Enumeration.
 - b) Explain: **(08)**
 - i) Sniffing countermeasures
 - ii) Brute force password attack
- Q.3**
- a) Explain: **(08)**
 - i) E-mail spoofing
 - ii) Phishing
 - b) Explain: **(08)**
 - i) IEEE Wireless standards
 - ii) DDoS
- Q.4** Write short notes on any **THREE** of the following: **(18)**
- a) Anonymizers
 - b) FTP and its objectives
 - c) ARP Poisoning
 - d) Footprinting

P. T. O.

SECTION-II

- Q.5** a) What is IDS? Explain its types. **(08)**
b) What is SQL Injection? Explain types of SQL Injection. **(08)**
- Q.6** a) What is Penetration Testing? Explain types of Penetration Testing. **(08)**
b) What is shell scripting? Explain capabilities of shell scripting. **(08)**
- Q.7** a) Define: **(08)**
i) File Infector virus
ii) Internet worm
iii) Rootkits
iv) Multipartite virus
b) Explain different mobile based attacks and cell phone security measures. **(08)**
- Q.8** Write short notes on any **THREE** of the following: **(18)**
a) Social Engineering
b) Buffer overflow
c) Web application vulnerabilities
d) Types of Proxy server

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