

Diploma in Network Security (2014 Course) : WINTER - 2018

SUBJECT- NETWORK SECURITY: MODULE – II

FOR B. TECH ALL BRANCHES SEM - III & IV

Day: Saturday
Date: 08/12/2018

W-2018-3440

Time: 10:00 AM TO 01:00 PM
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 section should be written in **SEPARATE** answer book.
 - 4) Assume suitable data, if necessary.
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SECTION - I

- Q.1** a) What is Ethical Hacking? Explain Types of Hacking in detail. (08)
b) What is Sniffing? Explain Running Windows Application on Backtrack. (08)
- Q.2** a) Draw and Explain DMZ Architecture in detail. (08)
b) Explain Firewall and Types of Firewall in detail. (08)
- Q.3** a) Explain TCP-Three way Handshaking in detail. (08)
b) Write Steps of Ethical Hacking in detail. (08)
- Q.4** Write short notes on **ANY THREE** of the following: (18)
a) DNS Routing and Load.
b) System Hacking.
c) Trojan and Backdoor.
d) Spyware.

SECTION - II

- Q.5** a) Explain Buffer Overflow Attack and its Countermeasures. (08)
b) What is Firewall? Explain Advantages and Disadvantages Hardware Firewall. (08)
- Q.6** a) Explain the Following Terms: (08)
i) Hash ii) IDS.
b) Explain Vulnerability and Risk in detail. (08)
- Q.7** a) Write Common Penetration Testing Techniques. (08)
b) What is Cryptography? Explain Public Key Infrastructure. (08)
- Q.8** Write short notes on **ANY THREE** of the following: (18)
a) IPC Section.
b) Symmetric Cryptography
c) Cross Site Scripting.
d) Honey Pots.

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