CS/B.TECH/IT/EVEN/SEM-8/IT-802B/2015-16

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Paper Code : IT-802B

CYBER LAW AND SECURITY POLICY

Time Allotted : 3 Hours   *Full Marks* : 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP – A
(Multiple Choice Type Questions)

1. Choose the correct alternatives for the following :

$10 \times 1 = 10$

i) The notorious art of breaking into phone or other communication systems is known as
   a) Hacking   b) Cracking
   c) Phreaking   d) None of these.

ii) The name of the virus that will erase all IMEI and IMSI information from both your phone and SIM card is
   a) TDL-4   b) XALAN
   c) SCA   d) MDEF.

iii) The term .... refers to a bad or criminal hacker.
   a) black Hat   b) white
   c) gray Hat   d) none of these.

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iv) Which one is true ?
   a) Bluesnarfing is claimed to be much more serious than Bluejacking.
   b) Bluejacking is claimed to be much more serious than Bluesnarfing.
   c) Bluejacking is claimed to be same serious as Bluesnarfing.
   d) None one is true.

v) Creating a fake website which looks very identical to a real web site is called
   a) Sniffing   b) Spoofing
   c) Hijacking   d) Phishing.

vi) DOS attack is caused by
   a) authentication   b) alteration
   c) fabrication   d) replay attacks.

vii) A .... replicates itself by creating its own copies, in order to bring the network to halt.
   a) virus   b) worm
   c) trojan horse   d) bomb.

viii) Total number of cyber-crime cases were registered under the Indian IT act in 2007 is
   a) 210   b) 207
   c) 212   d) 211.

ix) A defense method that is effective today may not remain so for long because
   a) defense method become obsolete
   b) defense method may expire
   c) attackers are constantly updating attacks vectors
   d) none of these.

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x)   Indian Parliament passed ITA 2000 on

   a)   15th August, 2000

   b)   17th May, 2000

   c)   12th August, 2000

   d)   12th May, 2000.

GROUP – B
(Short Answer Type Questions)

Answer any *three* of the following.   3 × 5 = 15

2.   What are the different types of cybercriminals ? Explain each one briefly.

3.   What is hacking ? Differentiate between white-hat hacking and black-hat hacking.   2 + 3

4.   What is virus hoax ? Describe computer worm briefly.

2 + 3

5.   Explain the different types of Identity Theft briefly.

6.   What is the meaning of the term 'cyberlaw' ? Write the advantages of cyber law briefly.   1 + 4

GROUP – C
(Long Answer Type Questions)

Answer any *three* of the following.   3 × 15 = 45

7.   What is cyberspace ? Describe the different types of cybercrimes briefly. Discuss the phases involved in planning cybercrime. Explain Cyber defamation briefly.

2 + 6 + 3 + 4

8.   Write the concept of 'Botnet' briefly. Discuss the different types of social engineering. Is there any risk for cloud computing from cybercrime ? Justify it. Define Vishing.   3 + 6 + 4 + 2

9.   What is a dictionary password cracking technique ? How can key loggers be used to commit a cybercrime ? "The rapid application of wireless devices has increased the chances of cybercrimes" explain. Write the different tools used to launch DoS attack. Define SQL injection.

2 + 3 + 4 + 4 + 2

10.   Differentiate between whaling and Spear Phishing. Write the different Phishing techniques briefly. Write the positive aspects and weak areas of the ITA 2000.

2 + 5 + 8

11.   Write short notes on any *three* of the following :

3 × 5 = 15

   a)   Cyberstalking

   b)   Trojan Horse

   c)   DDoS attack

   d)   Software Piracy

   e)   Tabjacking.