

B.E. Fifth Semester (Computer Science & Engineering) (CBCS) Winter 2022
Professional Elective-I : Introduction to Cyber Security - 5 KS 04

P. Pages : 2
Time : Three Hours



AC - 3042
Max. Marks : 80

- Notes :
1. Due credit will be given to neatness and adequate dimensions.
 2. Illustrate your answer necessary with the help of neat sketches.
 3. Answers should be to the points and in brief.

1. a) Discuss as per ITA-2000 section 43 (a), (b), (c), (d), (e) & (f) in details. 7
b) Explain preventive measures for information security in considerations of cyber attack. 7

OR

2. a) Explain in details. 7
i) Logic bomb ii) Data fidding
iii) Forgery iv) Cyber terrorism
v) Web jacking vi) Cyber deformation
vii) Trojan horse

- b) Discuss Indian legal perspectives on cyber crime in details. 7

3. a) What are the different cyber offences discuss in details. 6
b) What do you mean by social engineering attacks explain in details: 7

OR

4. a) What do you mean by attack vectors explain most common attack vector with example. 6
b) Explain botnet w.r.t. cyber security and explain what is the purpose of botnet and how it is created. 7

5. a) What type of internet frauds one most common explain in details. 6
b) What are the measures should be taken for organizational security policies in mobile computing explain. 7

OR

6. a) What are the risks of mobile computing w.r.t. cyber security explain in details. 6
b) Explain the best practices in implementing security policies and also explain three types of security policies. 7

7. a) Explain in details. 7
i) Password cracking ii) SQL injection
iii) Man in middle attack iv) DoS and DDoS attack.

- b) Explain in details :
i) Steganography
ii) Buffer overflow
iii) Phishing
iv) Back doors

OR

8. a) Explain in details : 7
i) Proxy servers and Anonymizers
ii) Key logon and spywares
iii) Viruses and worms
- b) Explain various tools and methods used in cyber crime in details. 7
9. a) Explain web access management in details. 6
b) Explain principle of authorization granular authorization and authorization by user. 7

OR

- ~~10.~~ a) What is modern access management explain in details. 6
b) Define authorization and explain effectiveness and multiple factor authorization. 7
11. a) Explain in details with example system intrusion detection and prevention. 6
b) Explain in details IDS and IPS with the help of neat sketch diagram. 7

OR

12. a) Explain disaster ready and disaster recovery what are the resources are required for the above discuss. 6
b) Explain disaster management system w.r.t. cyber security and cyber crime in details. 7
