2004E122

Candidate's Seat No :_____

B.Sc. Sem-6 Examination
CC 311
Computer Science (B)

Time : 2-00 Hours]

April 2022

[Max. Marks : 50

SECTION – 1

Q.1: **Write the following:**

1. Explain Computer Security Models and its terms in detail.   7

2. Why we need cyber security? Explain auditing in detail.   7

Q.2: **Write the following:**

1. Full form of DOS? Explain basics of computer and any four DOS commands in detail.   7

2. What is cyber security? Explain security attacks and its types in detail.   7

Q.3: **Write the following:**

1. List out all the interrelated components of computing environment. Explain any four in detail.   7

2. What is cyber security model? List out all the models and explain any two in detail.   7

Q.4: **Write the following:**

1. List out all the variation on a themes and explain computer security and information assurance in detail.   7

2. What is firewall? Why we need it and explain all the characteristics of firewall in detail.   7

Q.5: **Write the following:**

1. What is cyber security governance? Explain in detail.   7

2. Explain security management models, roles and its functions in detail.   7

Q.6: **Write the following:**

1. What is cryptography? Explain features of cryptography and list out all the types of it and explain any two of them in detail.   7

2. What is public key and private key? Explain both the keys and List out all the algorithms and explain any two of them in detail.   7

P.T.O

Q.7: Write the following:

    1.   What is cyber crime? Write the difference between cyber crime and cyber attacks.   **7**

    2.   Define cyber crime and information security and explain in detail.   **7**

Q.8: Write the following:

    1.   Explain indian perspective about cyber crime in detail   **7**

    2.   Write the difference between cyber security and computer security.   **7**

SECTION – II

Q.9:   **MCQs:**   **8**

1. Which is not DOS command.
   A. F5   B. cmd   C. cls   D. cd

2. Cyber security is important because it protects all categories of data from theft and damage.
   A. TRUE   B. FALSE

3. CIA stands for _____ .

4. Parkerian hexad is the type of cyber security model.
   A. TRUE   B. FALSE

5. _____ Cryptography uses a pair of keys to encrypt and decrypt data to protect it against unauthorized access or use.
   A. Public key   B. Private key   C. Protected key   D. STAR key

6. Cryptography is technique of securing information and communications through use of codes so that only those person for whom the information is intended can understand it and process it.
   A. TRUE   B. FALSE

7. The first person to be found guilty of cybercrime was Ian Murphy, also known as _____
   A. Captain Zap   C. Captain Pap
   B. Captain America   D. All of them

8. Cyber crime is a crime done with the misuse of information technology for unauthorized or illegal access, electronic fraud like;
   A. Deletion   C. Alteration
   B. Interception   D. All of the above