Paper / Subject Code: 42675 / Infrastructure Security (DLOC - III)

30-Dec-2023   10:30 am - 01:30 pm   1T01237 - B.E.(Information Technology Engineering)(SEM-VII)(Choice Base Credit Grading System) (R- 19) (C Scheme) / 42675 - Infrastructure Security (DLOC - III)

QP CODE: 10038462

TIME:03 HRS   **MAX MARKS:80**

N.B.   1. Question No 1 is compulsory.
        2. Solve any **three** questions out of the remaining five questions.
        3. Assume suitable data if necessary.
        4. Figures to the right indicate marks.

Q. 1. Solve any **four** out of five.   (4*5=20)
    a. Explain BIBA and Bell La Padula Model.
    b. What is transient and resident Virus? Explain Trojan horse, logic bomb, trapdoor.
    c. Which are the different types of mobile security threats?
    d. Discuss password policy.
    e. Write about types of firewall.

Q. 2. a) In which security policy users do not have the authority to override the policies and it
        totally controlled centrally by the security policy administrator? Justify with example.   (10)
    b) State the four phases of an incident response? Describe them.   (10)

Q. 3. a) Explain in detail File protection mechanism.   (10)
    b) Describe i) Threats in Mobile security ii) VPN Security   (10)

Q. 4. a) Discuss cross site scripting and buffer overflow attack.   (10)
    b) Explain Wireless Intrusion detection system.   (10)
Q. 5. a)What is Cross-Site Request Forgery attack? How to prevent it?   (10)
    b) Describe benefits of Cloud security as a service model.   (10)

Q. 6. a). Discuss Trust Boundaries and IAM.   (10)
    b) Explain the following terms   (10)
     i) Account Harvesting

     ii) SET

     iii) SSH

     iv) Firewalls

     v) Email attacks.

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