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

June 10, 2024 10:30 am - 01:30 pm 1T01237 - B.E.(Information Technology Engineering)(SEM-VII)(Choice Base Credit Grading System) (R- 2019-20) (C Scheme) / 42675 - Infrastructure Security (DLOC - III) QP CODE: 10055836

Time (3 Hours)   **[Total Marks 80]**

N. B.:   **1. Question No. 1 is compulsory.**

           2. Solve any THREE from Question No. 2 to 6.

           3. Draw neat well labelled diagram wherever necessary.

Q. 1 Answer any four   **20M**

       a) What is authentication? Explain any two techniques of authentication.

       b) Explain SQL injection attack with example.

       c) Explain Cross Site Request Forgery (CSRF) with example.

       d) Explain wireless intrusion detection system.

       e) What are cookies? justify its significance in web security.

Q. 2 a) What is VPN and what are different security concerns? Describe types of VPN   **20M**

      b) Describe various database integrity protection mechanisms.

Q. 3 a) Explain working of SSL with diagram.   **20M**

      b) Discuss the Cloud Identity and Access Management and its importance

Q. 4 a) Describe benefits of Cloud security as a service model.   **20M**

      b) Explain session Hijacking and various techniques that could be used for

        Hijacking sessions.

Q. 5 a) Explain different types of malwares in software security.   **20M**

      b) Explain in detail Enterprises Mobility Management EMM with its components.

Q. 6 a) Explain in detail steps involved in risk analysis.   **20M**

      b) Explain BIBA and Bell La Padula Model with appropriate diagram.

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