2055
M.E. Computer Science and Engineering (Cyber Security)
Second Semester

CSN-8203: Mobile Wireless and VOIP Security

Time allowed: 3 Hours   Max. Marks: 50

NOTE: Attempt <u>five</u> questions in all, including Question No. 1 which is compulsory and selecting two questions from each Unit.

x-x-x

I.   Attempt the following:-

    a) Distinguish about various types of web threats for Organizations.

    b) What are 2.5G wireless communication system?

    c) Differentiate between SMS and MMS.

    d) What is the significance of Mobile Geolocation in mobile network security?

    e) What is the role of Session Initiated Protocol (SIP)?   (5x2)

UNIT - I

II.   a) Discuss the various security issues in mobile environment.

    b) What are the limitations of mobile environment?   (2x5)

III. Draw and discuss the architecture of GSM.   (10)

IV.   a) Differentiate between 4G and 5G wireless communication system.

    b) What is Mobile Web Security?   (2x5)

UNIT - II

V.   Draw and discuss the IEEE 802.11architecture.   (10)

VI.   What are the challenges associated with implementing VoIP network? Explain. (10)

VII. What is the significance of integrating WEP in VoIP? Explain.   (10)

x-x-x