CBCS SCHEME

USN | | | | | | | | | | |

15EC835

Eighth Semester B.E. Degree Examination, Feb./Mar. 2022
Networks and Cyber Security

Time: 3 hrs. Max. Marks: 80

Note: ***Answer any FIVE full questions, choosing ONE full question from each module.***

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

Module-1

1 a. Explain SSL protocol stack with a neat diagram. **(08 Marks)**
b. List and explain in detail various threats on the web. **(08 Marks)**

OR

2 a. Explain SSH protocols with a neat diagram of its stack. **(10 Marks)**
b. Enlist the need of HTTPs and explain connection closure and connection initiation. **(06 Marks)**

Module-2

3 a. Summarize PGP services. **(08 Marks)**
b. Explain five header fields defined in MIME. **(08 Marks)**

OR

4 a. List and explain in brief algorithms used in S|MIME. **(06 Marks)**
b. Explain with a neat diagram function modules and standardized protocols for the internet. **(10 Marks)**

Module-3

5 a. Explain IPsec architecture. **(08 Marks)**
b. Explain four application and four benefits of IPsec. **(08 Marks)**

OR

6 a. Compare tunnel mode and transport mode encryption. **(08 Marks)**
b. Explain IKE payLoad types. **(08 Marks)**

Module-4

7 a. Explain in detail Antipattern concept. **(08 Marks)**
b. Explain full cyber pattern template. **(08 Marks)**

CMRIT LIBRARY
BANGALORE - 560 037

OR

8 a. Summarize design forces in cycler antipatterns. **(08 Marks)**
b. List specialized skills that should be available on-demand in IT – security shops. **(08 Marks)**

Module-5

9 a. Summarize Zachman framework for enterprise architecture. **(10 Marks)**
b. Explain problem – solving types. **(06 Marks)**

OR

10 a. Explain different operating systems. **(08 Marks)**
b. Enlist various technologies which a host based security can include. **(08 Marks)**

* * * * *