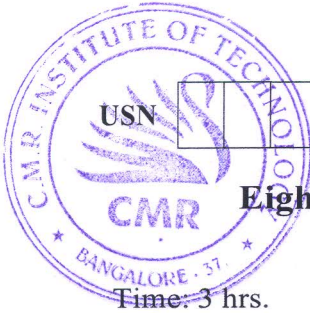


Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.



CBCS SCHEME

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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.

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)

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OR

- 8 a. Summarize design forces in cyber 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)
