CBCS SCHEME

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15EC835

Eighth Semester B.E. Degree Examination, Jan./Feb. 2023
Network 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. Compare the threads on web. **(08 Marks)**
b. Explain the list of alert codes in TLS. **(08 Marks)**

OR

2 a. Explain Security Socket Layer protocol stack with diagram. **(08 Marks)**
b. Illustrate SSL record protocol operation with diagram. **(08 Marks)**

Module-2

3 a. List and explain the PGP Notations. **(08 Marks)**
b. Draw and explain the PGP cryptographic functions. **(08 Marks)**

OR

4 a. Illustrate the content types of MIME. **(08 Marks)**
b. Explain the Native and Canonical form in S/MIME. **(08 Marks)**

Module-3

5 a. Describe the applications and benefits of Ipsec. **(08 Marks)**
b. Explain Transport and tunnel mode in Ipsec. **(08 Marks)**

OR

6 a. Draw and explain the encapsulating security payload packet format. **(10 Marks)**
b. Explain the processing model for outbound packets in Ip traffic processing. **(06 Marks)**

Module-4

7 a. Explain Antipattern signature based malware detection versus polymorphic threads. **(08 Marks)**
b. Explain refractored solution : Reputational and Behavioral based Malware detection. **(08 Marks)**

OR

8 a. Explain Can't Patch Dumb and Unpatched Applications. **(10 Marks)**
b. Explain forces in Cyber Anti patterns. **(06 Marks)**

Module-5

9 a. Explain the basic interrogatives in the Zachman framework. **(08 Marks)**
b. Distinguish between primitive and composite model. **(08 Marks)**

OR

10 a. Explain about installing hardware and Re-Imaging of OS. **(08 Marks)**
b. List and explain the rows in Zachman framework, briefly. **(08 Marks)**

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