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A – 2403

Reg. No. :

Name :

**Eighth Semester B.Tech. Degree Examination, April 2016
(2008 Scheme)
08.803 : E-SECURITY (F)**

Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions :

1. What is meant by hazard analysis ?
2. Differentiate stream and block ciphers.
3. What is meant by 'Social Engineering' in reconnaissance ?
4. What is a packet sniffer ?
5. Why is it theoretically impossible to create an audit log for every instruction?
6. Write security features of a trusted operating systems.
7. Explain IPSEC protocol.
8. Does a VPN use symmetric or asymmetric encryption ? Why ?
9. List the factors that should be considered when developing a security plan.
10. How does an IDS work ? **(10×4=40 Marks)**

PART – B

Answer **any one** from **each** module..

Module – I

11. a) Distinguish among vulnerability, threat and control, providing suitable examples. **10**
b) Explain idea of covert channels and timing channels. **10**

OR

12. What are the various non-malicious program errors. Explain each one with analysis of its security implications. **20**

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Module – II

13. Discuss various models of security systems along with their access control policies. **20**

OR

14. a) How do a two-phase update method resolve possible problems during updation of databases. **10**

b) Summarize the idea of a security Kernel. **10**

Module – III

15. a) Why does a PKI need a means to cancel or invalidate certificate ? Explain. **10**

b) What are the advantages of using Kerberos for authentication ? Explain. **10**

OR

16. Explain any five website vulnerabilities in detail. **20**
