



(Pages : 2)

7684

Reg. No. :

Name :

**Eighth Semester B.Tech. Degree Examination, November 2015
(2008 Scheme)
08.803 : E-SECURITY (F)**

Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions :

1. Why is a polymorphic virus difficult to detect ?
2. What is meant by Wired Equivalent Privacy ?
3. How does a patent differ from a copyright ?
4. What is meant by hazard analysis ?
5. What kind of security threat is posed by an Active X code ?
6. What is the formal verification method of security analysis ?
7. How are one-way functions useful in cryptography ?
8. What is meant by Chinese wall security policy ?
9. What is the role of TGS in Kerberos ?
10. Compare stream and block ciphers.

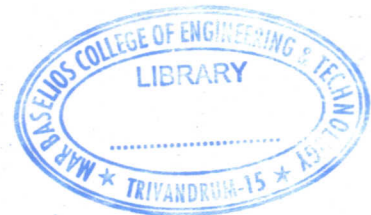
(10×4=40 Marks)

PART – B

Answer **any one** question from **each** module :

Module – I

11. a) How is a digital signature assured to be unforgeable ? 8
- b) What are the security implications of buffer overflows ? 12



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12. a) How are potential covert channels identified ? 8
b) Explain configuration management in detail. 12

Module – II

13. Illustrate how various types of inference methods pose vulnerabilities to database security. 20
14. a) What are the good design principles for a trusted OS ? Explain. 10
b) Explain take-grant system based protection model. 10

Module – III

15. a) What are the issues to be addressed by a good security plan ? Explain. 10
b) Describe the Public Key infrastructure. 10
16. a) Describe and compare various types of firewalls. 12
b) Compare link encryption with end-to-end encryption. 8

