

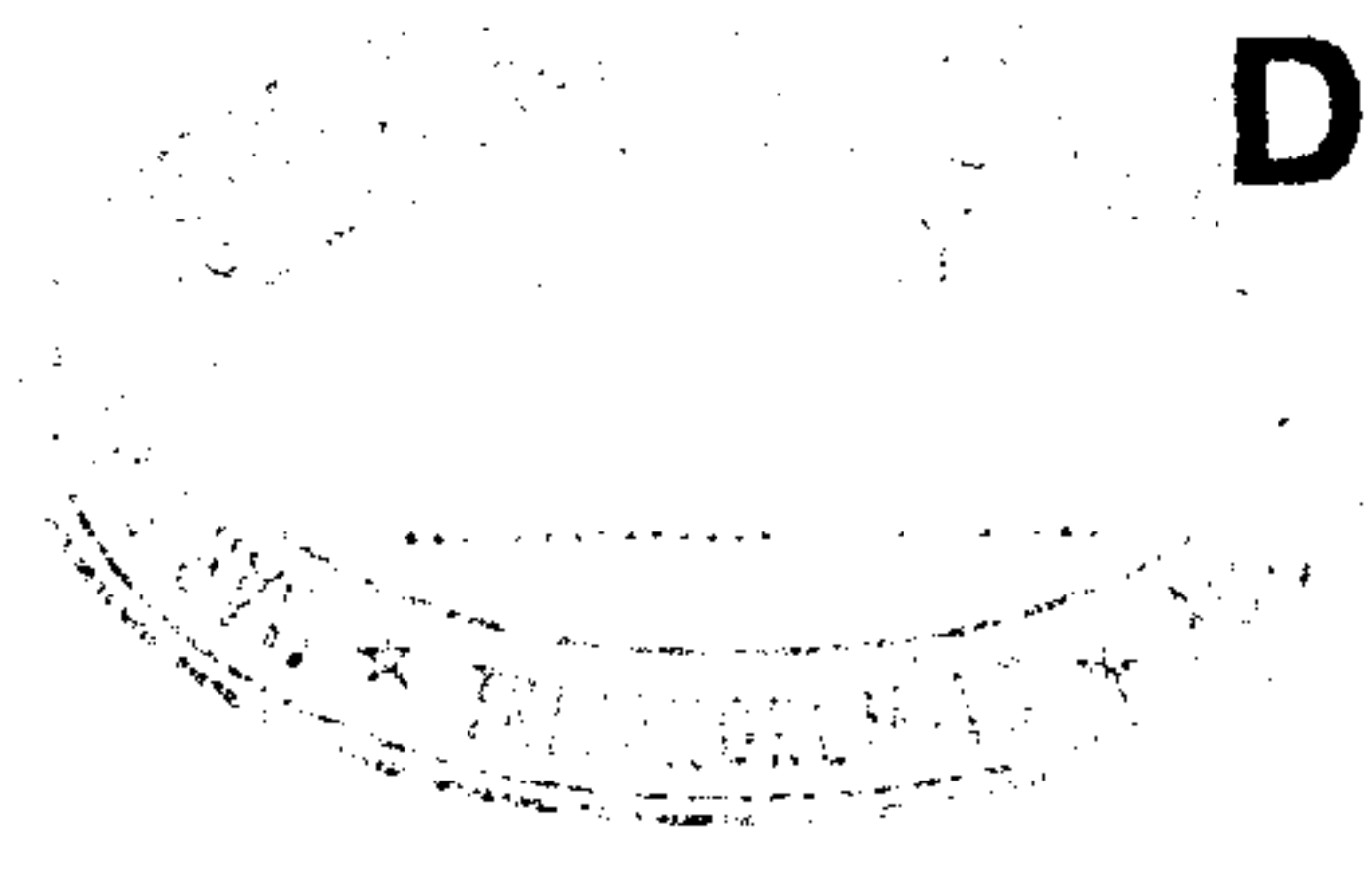


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D – 3565

Reg. No. :

Name :



Eighth Semester B.Tech. Degree Examination, December 2017
(2008 Scheme)
08.803 : E-SECURITY (F)

Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions.

1. What is a covert channel ?
2. Explain how viruses gain control of a system and execute.
3. How are challenge-response systems used for one-time passwords ?
4. Explain the use of capability in protecting objects.
5. What is ethical hacking ?
6. Explain Clark-Wilson commercial security policy.
7. Write strengths and limitations of Intrusion Detection Systems.
8. Differentiate between a patent and a copyright.
9. Why is a digital signature considered unforgeable ?
10. How is a distributed denial of service attack done ? **(10×4=40 Marks)**

PART – B

Answer **any one** from **each** Module.

Module – I

11. a) List the characteristics proposed by Shannon that make a good Cipher. **10**
- b) What are security implications of an incomplete mediation ? Illustrate with examples. **10**

OR

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- 12. a) Differentiate between various types of computer criminals based on their characteristics. 10
- b) Explain the different methods used by crypt-analyst for breaking an encryption, depending on the type of information available. 10

Module – II

- 13. a) What is a trusted computing base ? Explain. 10
- b) Explain the approaches for protecting a file. 10

OR

- 14. Discuss about Multilevel databases. 20

Module – III

- 15. Explain the steps of risk analysis. 20

OR

- 16. Compare and contrast the different types of firewall configurations. 20
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