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B.TECH.**THEORY EXAMINATION (SEM–VI) 2016-17
INFORMATION SECURITY AND CYBER LAWS****Time : 3 Hours****Max. Marks : 100****Note : Be precise in your answer. In case of numerical problem assume data wherever not provided.****SECTION-A****1 Attempt ALL questions.****10X2=20**

- a) What is the need of digital signature?
- b) Differentiate between Worm and Virus.
- c) What is Trojan horse?
- d) What is the need of information security?
- e) What is Database Security?
- f) Why is cyber Security important?
- g) What is Encryption?
- h) Why do we need information security?
- i) What are the security Issues in Hardware?
- j) Differentiate between symmetric key and asymmetric key algorithm.

SECTION-B**2 Attempt any FIVE questions.****5X10=50**

- a) What is a firewall? Explain its different types in detail.
- b) Write short notes on CCTV and its application.
- c) What is application development security? Explain in detail.
- d) What do you understand by information security governance and risk management?
- e) Discuss the ethical and legal issues in software piracy.
- f) What are the steps involved in developing an information System?
- g) Explain Security Architecture & Design with Diagram.
- h) What is Physical Security? Write down the basic tenets of physical security.

SECTION-C**Attempt any TWO questions.****2X15=30**

- 3 Explain security threats to E-Commerce in detail. Also explain its types.
- 4 What are the provisions of IT Act, 2000? List its advantages and limitations.
- 5 Write short note on:
 - i) WWW policy
 - ii) E-mail Security policy
 - iii) Information Security Process
 - iv) Patent Law
 - v) Copy Right Law