

**Duration: 3hrs**

**[Max Marks: 80]**

- N.B. :** (1) Question No 1 is Compulsory.  
(2) Attempt any three questions out of the remaining five.  
(3) All questions carry equal marks.  
(4) Assume suitable data, if required and state it clearly.

- 1 Attempt any FOUR [20]**
- a Differentiate between cybercrime and cyber fraud.
  - b Explain various threats associated with cloud computing.
  - c Explain methods of password cracking
  - d Explain E-contracts and its different types.
  - e Explain different attack vectors in cyber security
- 2 a Explain the classification of cybercrimes with examples. [10]**  
**b Explain various types of credit card frauds [10]**
- 3 a Explain different buffer overflow attacks also explain how to mitigate buffer overflow attack [10]**  
**b Explain electronic banking in India and what are laws related to electronic banking in India [10]**
- 4 a What do you understand by DOS and DDOS attack? Explain in detail. [10]**  
**b Write a note on Intellectual Property Aspects in cyber law. [10]**
- 5 a Explain the objectives and features of IT Act 2000 [10]**  
**b What are Botnets? How it is exploit by attacker to cause cyber attack? [10]**
- 6 a Explain SQL injection attack. State different countermeasure to prevent the attack. [10]**  
**b Explain what is Information Security Standard and Explain HIPAA act in detail [10]**

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