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**MCA**  
**(SEM III) THEORY EXAMINATION 2017-18**  
**CYBER SECURITY**

**Time: 3 Hours**

**Total Marks: 100**

**Notes: Attempt all Sections. Assume any missing data.**

**SECTION A**

1. **Attempt all questions in brief.** **2 x 7 = 14**
- What are security threats?
  - Explain Security structure.
  - What do you mean by copyright Act?
  - Discuss about Information system.
  - Explain Development of Information system.
  - Describe IPR.
  - What do you mean by Disposal of Data?

**SECTION B**

2. **Attempt any three of the following:** **7 x 3 = 21**
- What do you mean by Cryptography? Explain Asymmetric key Cryptography.
  - Discuss about VPNs.
  - Explain Digital signature. Also define DSS.
  - What is the WWW polices explain these.
  - Describe Backup security measures.

**SECTION C**

3. **Attempt any one part of the following:** **7 x 1 = 7**
- How you can say that Intrusion Detection is the backbone of IS? Justify along with its categories.
  - Explain the information system resource and activities and what may be the reason of failure of it.
4. **Attempt any one part of the following:** **7 x 1 = 7**
- What is the application security? Define it in the case of vendor challenges and user challenges for application security.
  - What do you mean by Cyber crime and cyber security reference by information security?
5. **Attempt any one part of the following:** **7 x 1 = 7**
- What is electronic payment system? Also define e-Cash
  - Explain Semiconductor Law and Patent Law with the help of example.
6. **Attempt any one part of the following:** **7 x 1 = 7**
- What are the different technologies used for the security of data and application?
  - Explain Access control. What is including in authorization process for – File, Program. And explain all type of control.
7. **Attempt any one part of the following:** **7 x 1 = 7**
- What do you mean by Confidentiality and authentication concept in cryptography?
  - Short note on: (i) ISO and (ii) IT Act.