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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.