

MCA / B PHARM
(SEM III) THEORY EXAMINATION 2018-19
CYBER SECURITY

Time: 3 Hours

Total Marks: 70

- Note:** 1. Attempt all Sections. If require any missing data; then choose suitably.
 2. Any special paper specific instruction.

SECTION A

1. Attempt all questions in brief. <http://www.aktuonline.com> 2 x 7 = 14
- What is information integrity?
 - Define VPN.
 - What is cyber crime?
 - Define internet, intranet and extranet.
 - What is masquerading or spoofing.
 - Explain the concept of EDI.
 - What do you understand by copyright law?

SECTION B

2. Attempt any three of the following: 7 x 3 = 21
- Explain information systems and types of information systems.
 - Explain the two basic functions used in encryption algorithms?
 - "Intrusion Detection is the backbone of IS" Justify it.
 - What are WWW policies in Cyber Security?
 - What is smart card? Also explain the different types of smart cards.

SECTION C

3. Attempt any one part of the following: 7 x 1 = 7
- What is Cyber Security? How to secure your information, explain in detail?
 - What is the need and threats to information security?
4. Attempt any one part of the following: 7 x 1 = 7
- Write the digital signature algorithm (DSA) of digital signature standard. Explain with suitable example
 - Define Firewall. What is the need of using firewall?
5. Attempt any one part of the following: 7 x 1 = 7
- What is Security Threats to E- Commerce?
 - Write Short note on: <http://www.aktuonline.com>
 - Information Security Governance.
 - Risk Management.
6. 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.
 - Explain the Email Security policies in detail.
7. Attempt any one part of the following: 7 x 1 = 7
- What is Intellectual Property? What is Intellectual Property Right (PR)? Why is it required to protect and promote Intellectual property?
 - Write Short note on: (i) ISO (ii) IT Act.