HC-075004   Seat No._____

B. C. A. (Sem. V) Examination

October - 2019

EC-301: Cyber Crime

Time : **3** Hours]   [Total Marks : **70**

Instructions : (1) Figures on the right indicate the marks.

(2) All Questions are compulsory.

(3) Answer of each question must start on a new page.

(4) Answer of all sub-questions of a question should be written in continuous order.

1   (A) Explain following terms : (Any **Seven**)   7

(1) Active attack.

(2) Passive attack.

(3) Spamming.

(4) Anonymizers.

(5) E-mail Bombing

(6) Cyber Law

(7) SQL Injection

(8) Identity Theft.

(9) Pornographic Offense

(B) What is cybercrime? How do you define it?   7
Give the classification of cybercrimes.

2   Explain Any **Two** :   14

(a) What is cyberstalking? Explain the types of stalkers. How stalking works?

(b) Explain popular types of attacks against 4G mobile networks.

(c) What is "Backdoor"? Write any five functions of "Backdoor".

3   Explain Any **Two** :   14

   (a)   What is Phishing? How Phishing works? List and explain types of phishing.

   (b)   What are the parameters for Strong, Medium and Weak passwords. How password can be cracked?

   (c)   What are the different components of wireless network? How can wireless networks be secured?

4   Explain Any **Two** :   14

   (a)   List and explain the categorization of computer viruses based on attacks on various elements of the system.

   (b)   What is the difference between Trojan Horses and Backdoors? How to protect from Trojan horse and Backdoors?

   (c)   What are DoS and DDoS attacks? Give the classification of DoS attack. Write various measures to protect from being a victim of DoS attack.

5   Answer Any **Two** :   14

   (a)   Differentiate between virus and worms.

   (b)   State the strong and weak areas of ITA 2000

   (c)   Write amendments to the Indian IT Act.