



PAU-003-1074006 Seat No. _____

M. C. A. (Sem. IV) Examination

August / September - 2020

E - 4052 : Cyber Security

Faculty Code : 003

Subject Code : 1074006

Time : $2\frac{1}{2}$ Hours]

[Total Marks : **70**

- 1 (A) Answer the following : **4**
- (1) Stealing personal information from somebody and impersonating that person is known as _____
 - (2) _____ is identifying weakness in computer systems or networks to exploit its weaknesses to gain access.
 - (3) _____ is a type of cybercrime in which data is altered as it is entered into a computer system, most often by a data entry clerk or a computer virus.
 - (4) _____ is a technique used to gain knowledge of passwords that involves monitoring traffic on a network to pull out information.
- (B) Answer any **one** in brief : **2**
- (1) What is cybercrime?
 - (2) What is spamming?
- (C) Answer any **one** in detail : **3**
- (1) Explain email spoofing.
 - (2) Explain email bomb.
- (D) Answer any **one** : **5**
- (1) Explain web Jacking.
 - (2) Explain network Intrusion.

- 2 (A) Answer the following : 4
- (1) A _____ is a number of Internet-connected devices, each of which is running one or more bots
 - (2) Give full form of PaaS.
 - (3) _____ refers to manipulating, configuring, and accessing the hardware and software resources remotely.
 - (4) Social engineering is the art of manipulating people so they give up confidential information. True or False?
- (B) Answer any **one** in brief : 2
- (1) What is passive attack?
 - (2) What is active attack?
- (C) Answer any **one** in detail : 3
- (1) What is cyberstalking? Explain types of stalkers.
 - (2) Discuss cybercrime and cloud computing.
- (D) Answer any **one** : 5
- (1) How stalking works?
 - (2) Explain botnet.
- 3 (A) Answer the following : 4
- (1) RAS stands for _____
 - (2) Give full form of LDAP.
 - (3) Give full form of VoIP.
 - (4) Triangulation is when a merchant offers a product at a very cheap price through a web-site. True or False?
- (B) Answer any **one** in brief : 2
- (1) What is smishing?
 - (2) What is mobile virus?

- (C) Answer any **one** in detail : **3**
- (1) Explain RAS Security for Mobile Devices.
 - (2) Explain phishing and vishing.
- (D) Answer any **one** : **5**
- (1) Explain types and Techniques of Credit Card Frauds.
 - (2) List Operating Guidelines for Implementing Mobile Devices Security Policies in organization.
- 4 (A) Answer the following : **4**
- (1) MITM stands for _____ attack.
 - (2) What is SQL Injection?
 - (3) The first computer virus was _____.
 - (4) DDoS stands for _____
- (B) Answer any **one** in brief : **2**
- (1) Explain Software and Hardware Key Loggers
 - (2) State the difference between Virus and Worms.
- (C) Answer any **one** in detail : **3**
- (1) What is Buffer Overflow? List and explain types of Buffer Overflow
 - (2) Explain Identity Theft.
- (D) Answer any **one** : **5**
- (1) How computer virus can be categorized? Explain each of them in detail.
 - (2) What is DoS attack? Explain types and levels of DoS attack.

- 5 (A) Answer the following : 4
- (1) IT Act modified in the year _____.
 - (2) ITAA stands for _____.
 - (3) Give full form of IPC.
 - (4) An X.509 Certificate contains information about the certificate subject and the certificate issuer. True or False?
- (B) Answer any **one** in brief : 2
- (1) As per ITAA, what is Electronic Signature?
 - (2) Why do we need Cyber Law?
- (C) Answer any **one** in detail : 3
- (1) What is the meaning of Cyberlaw? What are Trustseals?
 - (2) What is the impact of IT on Organizations?
- (D) Answer any **one** : 5
- (1) Highlight the impact of IT Act Amendments on IT Organizations.
 - (2) Clarify the weak areas of ITA 2000
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