

P-849

Total Pages : 4

Roll No.

MIT(CS)-103/CEGCS-03

Cyber Attack and Counter Measures: User Perspective
(MSCCS/PGDCS/CEGCS)

1st Semester Examination, 2023 (June)

Time : 2 Hours]

Max. Marks : 70

Note : This paper is of Seventy (70) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. Candidates should limit their answer to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

SECTION–A
(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Nineteen (19) marks each. Learners are required to answer any Two (02) questions only.
(2×19=38)

1. Discuss the following in detail along with the examples of each:
(3.8 Marks each, $3.8 \times 5 = 19$)
- (a) Phishing.
 - (b) Hoaxes.

- (c) Malwares.
- (d) Viruses.
- (e) Worms.

2. Discuss the following Access Control Models in detail:
(Marks are mentioned against each question).

- (a) Discretionary Access Control (DAC) (6 Marks)
- (b) Mandatory Access Control (MAC) (7 Marks)
- (c) Role Based Access Control (RBAC) (6 Marks)

3. Discuss the following in detail: (Marks are mentioned against each question)

- (a) How to Identify Fake Email And Trace Sender's Location. (10 marks)
- (b) What is threat? What are the possible sources of threats on the cyber realm? (9 marks)

4. Discuss the following in detail: (Marks are mentioned against each question)

- (a) SDLC Waterfall model in detail with design, stages, application, advantages and disadvantages etc. (10 Marks)
- (b) SDLC Iterative model in detail with design, stages, application, advantages and disadvantages etc. (9 Marks)

5. Discuss the following in detail: (Marks are mentioned against each question)
- (a) Discuss multi-factor authentication in detail. (6 Marks)
 - (b) What is SSID? How do you disable SSID? Write steps for that. (6 marks)
 - (c) Discuss WEP, WPA and WPA2. Differentiate between WPA and WPA2. (7 marks)

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Eight (08) marks each. Learners are required to answer any Four (04) questions only. (4×8=32)

1. Discuss MAC filtering. How do you configure MAC address on wireless router?
2. Discuss Kerberos in detail.
3. Discuss CHAP authentication process in detail.
4. Discuss how emails work and different protocols used for email sending and receiving. Differentiate between POP3 protocol and IMAP protocol. Which is better and why?

5. Discuss various forms of cyber crime.
 6. Discuss cryptography. Discuss the objectives of cryptography. Discuss various types of cryptographic techniques.
 7. Discuss with examples :
 - (a) Firewall.
 - (b) Spamming.
 - (c) Smart Cards.
 - (d) Biometrics.
 8. Discuss with examples :
 - (a) Trojans.
 - (b) Spywares and Adwares.
 - (c) Password Security.
 - (d) Desktop Security.
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