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Total pages : 03

Roll No.

CEGCS-03

**Cyber Attacks and Counter Measures: User
Perspective**

Certificate of E-Governance and Cyber Security
(CEGCS-16/17)

Examination 2021 (Winter)

Time : 2 Hours

Max. Marks:100

Note : This paper is of hundred (100) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

Section-A

(Long Answer-type questions)

Note: Section 'A' contains Five (05) long-answer-type questions of Twenty Six (26) marks each. Learners are required to answer any two (02) questions only.

(2 x 26=52)

Q.1. What is Cryptography? Explain the types of Cryptography.

Q.2 Explain the various types of cryptographic techniques.

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- Q.3 Explain the importance of using encryption.
- Q.4 How email works? Explain with a help of a diagram.
- Q.5 Explain CHAP authentication process.

Section-B

(Short Answer-type questions)

Note: Section 'B' contains Eight (08) short-answer-type questions of Twelve (12) marks each. Learners are required to answer any four (04) questions only.

(4 x 12=48)

- Q.1 Discuss waterfall model. What are the application of waterfall model? Discuss its advantages and disadvantages.
- Q.2 What are the advantages and disadvantages of qualitative and quantitative risk assessment?
- Q.3 What is major difference between COSO and COBIT?
- Q.4 Explain the different Categories of Computer Networks.

- Q.5 What is protocol? What are the three key elements of a protocol?
- Q.6 Define the following terms :
- i. Digital Certificate
 - ii. Encryption
- Q.7 What is the difference between POP3 protocol and IMAP protocol?
- Q.8 What is WLAN? What are major issues with WLAN?
