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Total pages : 03

Roll No.

CEGCS-02

Cyber Security Techniques

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 are the types of security policy? List out ways to make policies more effective.

Q.2 Explain the various components of an Information system. Discuss the legal and ethical issues associated with the information security.

P.T.O.

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- Q.3 Define firewall. What are its different types? Explain the working of each in detail.
- Q.4 What is risk mitigation? Explain process for conducting risk assessment.
- Q.5 Write notes on any four from the following :
- a) WPA
 - b) Malware
 - c) DOS attack
 - d) CERT-In
 - e) Risk management

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 What is ethical hacking? Explain.
- Q.2 Explain the impact of e-commerce to organizations, customers and society at large.
- Q.3 What are the Major Security Challenges in cyber space?

P.T.O.

- Q.4 Explain what is a Full-Simulation exercise?
- Q.5 Explain the security problem with WEP and WPA?
- Q.6 What is hacking and when it is punishable under Indian law?
- Q.7 Does turning off a machine impact forensics analyst? If you think yes, explain? If you think No, Justify?
- Q.8 Explain the role of National critical Information Infrastructure Protection Centre of India.
