

## CEGCS–02

### Cyber Security Techniques

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

First Semester, Examination, 2017

**Time : 3 Hours**

**Max. Marks : 80**

**Note :** This paper is of **eighty (80)** marks containing **three (03)** Sections A, B and C. Learners are required to attempt the questions contained in these Sections according to the detailed instructions given therein.

#### Section–A

##### (Long Answer Type Questions)

**Note :** Section ‘A’ contains four (04) long answer type questions of nineteen (19) marks each. Learners are required to answer *two* (02) questions only.

1. Explain the term ‘Cyber Security’ in detail. Why is it important ? Discuss the issues of cyber security.
2. Discuss cyber index and wellness profile of the India.
3. Explain the different types of firewalls with imitations.
4. Explain the different types of social engineering attacks.

#### 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 *four* (04) questions only.

1. What are WWW policies in Cyber Security ?
2. Write a note on web architecture.
3. What are Email Security policies ?
4. Differentiate between a Virus, Worm and Trojan Horse.
5. What is digital signature ?
6. What is cyber security ? How to secure your information ? Explain in detail.
7. What is Virtual Private Network ?
8. Write a note on cyber security initiatives in India.

### **Section-C**

#### **(Objective Type Questions)**

**Note :** Section 'C' contains ten (10) objective type questions of one (01) mark each. All the questions of this Section are compulsory.

1. The first computer virus is :
  - (a) I Love You
  - (b) Blaster
  - (c) Sasser
  - (d) Creeper
2. McAfee is an example of :
  - (a) Photo Editing Software
  - (b) Quick Heal
  - (c) Virus
  - (d) Antivirus
3. Which of the following is known as malicious software ?
  - (a) illegalware

- (b) badware
  - (c) malware
  - (d) maliciousware
4. To protect a computer from virus, you should install ..... in your computer.
- (a) backup wizard
  - (b) disk cleanup
  - (c) antivirus
  - (d) disk defragmenter
5. VIRUS stands for :
- (a) Very Intelligent Result Until Source
  - (b) Very Interchanged Resource Under Search
  - (c) Vital Information Resource Under Siege
  - (d) Viral Important Record User Searched
6. Which of the following is not an antivirus software ?
- (a) AVG
  - (b) Avast
  - (c) Code Red
  - (d) McAfee
7. Which of the following is/are threats for electronic payment systems ?
- (a) Computer worms
  - (b) Computer virus
  - (c) Trojan horse
  - (d) All of the above

8. Key logger is a/an :
- (a) Firmware
  - (b) Antivirus
  - (c) Spyware
  - (d) All of the above
9. To protect yourself from computer hacker, you should turn on a :
- (a) Script
  - (b) Firewall
  - (c) VLC
  - (d) Antivirus
10. Firewalls are used to protect against :
- (a) data driven attacks
  - (b) fire attacks
  - (c) virus attacks
  - (d) unauthorised access