

## **CEGCS–02**

### **Cyber Security Techniques**

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

First Semester, Examination, 2018

**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. What are the different cyber security imitative in India ?
2. What do you understand by firewalls ? Explain along with its types and diagram.
3. Explain different types of social engineering attacks.
4. Explain Risk and Risk Management.

**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 the basic elements of policy ?
2. What are the types of security policy ?
3. Explain working of PGP in detail along with diagram.
4. Differentiate between Malware, Botnet, Virus and Worms.
5. Differentiate between a Virus, Worm and Trojan Horse.
6. What is IDS ? What are the different components of an IDS ?
7. Define MAC.
8. Define maturity model.

**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. .... are often delivered to a PC through an e-mail attachment and are often designed to do harm.
  - (a) Spam
  - (b) E-mail
  - (c) Portals
  - (d) Virus

2. A ..... is a computer program that can replicate itself and spread from one computer to another.
  - (a) Antivirus
  - (b) PenDrive
  - (c) Mouse
  - (d) Computer Virus
  
3. .... are attempts by individuals to obtain confidential information from you to falsifying their identity.
  - (a) Computer viruses
  - (b) Phishing scams
  - (c) Phishing trips
  - (d) Spyware scams
  
4. What can a firewall protect against ?
  - (a) viruses
  - (b) unauthenticated interactive logins from the “outside” world
  - (c) fire
  - (d) connecting to and from the “outside” world
  
5. Which of the following malicious program do not replicate automatically ?
  - (a) Trojan Horse
  - (b) Virus
  - (c) Worm
  - (d) Zombie

6. Key logger is a :
  - (a) Firmware
  - (b) Antivirus
  - (c) Spyware
  - (d) All of the above
7. Which of the following is known as Malicious software ?
  - (a) illegalware
  - (b) badware
  - (c) malware
  - (d) maliciousware
8. To protect a computer from virus, you should install ..... in your computer.
  - (a) backup wizard
  - (b) disk cleanup
  - (c) antivirus
  - (d) disk defragmenter
9. The first computer virus is ..... .
  - (a) I Love You
  - (b) Blaster
  - (c) Sasser
  - (d) Creeper
10. McAfee is an example of ..... .
  - (a) Photo Editing Software
  - (b) Quick Heal
  - (c) Virus
  - (d) Antivirus