

## **CEGCS-01**

### **Fundamentals of Information Security**

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 is an ISP ? Explain different classifications of an ISP.
2. Considering the CIA triad and the Parkerian hexad, what are the advantages and disadvantages of each model ?
3. Explain electronic commerce infrastructure in detail with proper explanation.
4. What is hacking ? Classify different types of hackers.

**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. List the advantages and Disadvantages of e-Commerce.
2. What is the difference between a worm and a virus ?
3. What are the various types of motivations that lure the people for cyber crime ?
4. What do you understand by the term “Towards good Governance through E-Governance Model” ? Explain.
5. Define Ambient Intelligence.
6. How http :// is different from https :// ? Explain.
7. What are safety-critical systems ?
8. What is the difference between Internet and www ?

**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. VERONICA stands for \_\_\_\_\_.
2. \_\_\_\_\_ model is also known as Mobilization and Lobbying Model.
3. Google wallet is now renamed as \_\_\_\_\_.
4. \_\_\_\_\_ is a malicious code that is installed in the host machine by pretending to be useful software.

5. A \_\_\_\_\_ hacker is someone outside computer security consulting firms who is used to bug-test a system prior to its launch, looking for exploits so they can be closed.
6. The term \_\_\_\_\_ refers to the use of information, and attacks on information, as a tool of warfare.
7. As an organisation, it must meet stakeholders' expectations of \_\_\_\_\_ and \_\_\_\_\_ of information.
8. Oneway to address non-repudiation is using \_\_\_\_\_.
9. Ethical principles often inform legislation, but it is recognized in ethics that legislation cannot function as a substitute for \_\_\_\_\_.
10. Digital signatures employ \_\_\_\_\_ cryptography.

