

**ADVANCED CERTIFICATE IN INFORMATION
SECURITY (ACISE)**

Term-End Examination

01454

June, 2019

OSE-043 : INFORMATION TECHNOLOGY SECURITY

Time : 3 hours

Maximum Marks : 70

*Note : Section A – Answer **all** the questions.*

*Section B – Answer **all** the questions.*

*Section C – Answer any **three** questions out of four.*

SECTION A

*Attempt **all** the questions.*

1. Fill in the blanks :

(a) _____ involves the investigation of data that can be retrieved from the hard disk or other disks of a computer by applying scientific methods to retrieve the data. 1

(b) _____ is the language for describing the structure of web pages. 1

(c) An attacker uses a tool to exploit a _____ to perform an action on a target in order to achieve an unauthorized result. 1

2. Write short notes (mainly in 4-5 lines) on the following : 4×3=12

- (a) Cyber Security
- (b) Cyber Defamation
- (c) Digital Signature
- (d) Risk Management

SECTION B

Answer *all* the questions.

3. Explain the purpose of Plan-Do-Check-Act (PDCA) process. 5
4. Explain the benefits of cyber security standards. 5
5. What are the advantages of web standards ? 5
6. What is done by evaluation authority after evaluating the IT product ? 5
7. Explain the Information Security Management System. 5

SECTION C

*Answer any **three** questions out of four.*

8. Explain the term 'Cyber-Crime'. Discuss its categories. What are the different types of cyber-crimes? 10
 9. What is IT Amendment Act, 2008 ? Discuss its salient feature. 10
 10. What are the different standards which are concerned with unknown information security issues? 10
 11. Give your suggestions for the prevention of cyber-crimes. Do you think that IT law needs more amendments to adequately address all the cyber-crimes ? Discuss. 10
-