

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

Term-End Examination

December, 2022

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 questions.*

SECTION A

*Answer **all** the questions.*

1. Fill in the blanks :

$3 \times 1 = 3$

(a) P3P stands for _____ .

(b) _____ cookies are also known as transient cookies.

(c) SGML stands for _____ .

2. Write short notes on the following
(in 4 – 5 lines each) :

$4 \times 3 = 12$

(a) Online Privacy

(b) Cyber Defamation

(c) CSS and HTML

(d) Plan-Do-Check-Act (PDCA) Process

SECTION B

Answer *all* the questions.

3. Describe the concept of Certification. 5
4. Why do we need data protection and privacy in the virtual space ? 5
5. Describe the benefits of Cyber Security Standards. 5
6. Explain ISMS (Information Security Management System). 5
7. Write the role and responsibilities of employees in dealing with Information Security issues. 5

SECTION C

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

8. Explain the different types of Intrusion Detection Systems (IDS) with their advantages and disadvantages. 10

 9. What is risk management ? Explain the mechanism to direct and control an organization with regard to risk. 10

 10. Explain the term 'Cyber Crime'. Discuss its categories. What are the different types of Cyber Crime ? 10

 11. Explain various components used in designing the security architecture. 10
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