

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

**Term-End Examination**

**December, 2011**

**OSE-043 : INFORMATION TECHNOLOGY  
SECURITY**

*Time : 3 hours*

*Maximum Marks : 70*

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**Note :** SECTION 'A' Answer all the questions. SECTION 'B'  
Answer all the questions. SECTION 'C' Answer any  
three questions out of four .

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**SECTION-A**

**(Answer all the questions)**

1. Fill in the blanks : 3
- (a) The IT Amendment Act was passed by the Indian Parliament in the year \_\_\_\_\_ .
  - (b) The UIDAI is part of the \_\_\_\_\_ of India.
  - (c) Under the International Covenant on Civil and Political Rights (ICCPR), ratified by India, an individual's \_\_\_\_\_ is protected from arbitrary or unlawful interference by the state.

2. Write short notes (mainly in 4-5 lines) on the following : **4x3=12**

- (a) Hacking
- (b) Electronic Signature
- (c) Data Protection
- (d) UID

**SECTION - B**

**(Answer all the questions)**

3. Why do we need data protection and privacy in the virtual space ? 5
4. Explain the role of ISO. 5
5. Explain the purpose of Plan - Do - Check - Act (PDCA) Process. 5
6. Explain the role and responsibilities of employees in dealing with information security issues. 5
7. Critically examine the role of W3C. 5

## SECTION - C

(Answer any three questions out of four)

8. Do you think that IT Amendment Act, 2008 has strengthened the data protection regime in our country. Explain in detail. 10
  9. Define cyber crimes. Explain the kinds of cyber crimes involved in relation to Information Security. 10
  10. What is risk management ? Explain the mechanism to direct and control an organization with regard to risk. 10
  11. Accurate demonstration and enforcement of Best Practices and/or compliance standards is prohibitively expensive and difficult when performed individually and therefore there is need for recognized certification authorities which provide standards for specifying, developing, evaluating and certifying IT Products. Do you agree with this statement ? Explain in detail. 10
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