

00112

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

**Term-End Examination**

**June, 2016**

**OSEI-042 : SECURING INTERNET ACCESS**

*Time : 2 hours*

*Maximum Marks : 50*

*Note : Section - A : Answer all the objective type questions.*

*Section - B : Answer all the very short answer type questions.*

*Section - C : Answer two out of three short answer type questions.*

*Section - D : Answer two out of three long answer type questions.*

**SECTION - A**

**(Attempt all the questions.)**

1. Message \_\_\_\_\_ means that the sender and the receiver expect privacy. 1
- (a) confidentiality
  - (b) integrity
  - (c) authentication
  - (d) none of the above

2. Digital signature cannot provide \_\_\_\_\_ for the message. **1**  
(a) integrity  
(b) confidentiality  
(c) non repudiation  
(d) authentication
3. Password based authentication can be divided into two broad categories : \_\_\_\_\_ and \_\_\_\_\_. **1**  
(a) fixed; variable time  
(b) stamped; fixed  
(c) fixed; one-time  
(d) none of the above
4. The secret key between members needs to be created as a \_\_\_\_\_ key when two members contact KDC. **1**  
(a) public  
(b) session  
(c) complimentary  
(d) none of the above
5. Risk assessment is the various techniques which minimise the risk to other people. **1**  
(a) True  
(b) False
6. \_\_\_\_\_ is the network of networks spread across the globe. **1**
7. \_\_\_\_\_ is the main concern for any organization. **1**

8. Data security threats include : 1  
(a) Hardware failure  
(b) Privacy invasion  
(c) Fraudulent manipulation of data  
(d) All of the above
9. A protocol used to control the secure sending of data on the internet is : 1  
(a) SMTP  
(b) HTTPS  
(c) TCP/IP  
(d) HTTP
10. The bluetooth supports : 1  
(a) point-to-point connections  
(b) point-to-multipoint connection  
(c) both (a) and (b)  
(d) none of the above

### SECTION - B

(Attempt all the very short answer type questions.)

11. Do cyber crimes occur on social networking sites like facebook ? How ? 2
12. Write a note on recommendations for secure wireless networks. 2
13. How do I get infected with spyware ? 2
14. Discuss e-cards. 2
15. Write a short note on DES. 2

### SECTION - C

(Attempt **two** out of **three** short answer type questions.)

16. How is a web service activated ? 5
17. What is a counterfeit credit card ? 5
18. Write the different methods used to detect and prevent the cyber-attack. 5

### SECTION - D .

(Attempt **two** out of **three** long answer type questions.)

19. How to prevent and report credit card fraud or identify theft ? 10
  20. What is Phishing ? How it works ? How a user can prevent him from being a victim of phishing attack ? 10
  21. Write a descriptive note on web services security standards. Also, discuss the threats and attacks with respect to session management. 10
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