MASTER OF SCIENCE (CYBER SECURITY) (MSCS)

CSP-13, 14 & 15 (Theory & Practical)

Semester-2

SESSION: 2019-20

SUBMISSION DATES FOR ASSIGNMENTS

Sl no.	Course Code	Name of the Course	Last date of submission
Theory			
1	CSP-13	Application Cyber Security	
2	CSP-14	Network Cyber Security	**17th November (Sunday)**
3	CSP-15	Web Technology	
Practical			
1	CSP-13	Application Cyber Security	
2	CSP-14	Network Cyber Security	**17th November (Sunday)**
3	CSP-15	Web Technology	

INSTRUCTIONS FOR DOING ASSIGNMENTS

Dear Learner,

You are required to submit your assignment response within the stipulated time in order to become eligible to appear in the term-end examination. The assignments will be evaluated by the counsellors at your Study Centre. Please submit your assignment response to the Coordinator of your Study Centre. For a 4 credit course, there is one Assignment and for 6/8 credit course, there must be minimum 02(two) Assignment.

Purpose of Assignments
1. Assignments are part of the continuous evaluation process in Open and Distance Learning (ODL) system. Due weightage is given to the marks/grades you obtain in assignments. This will help you for better performance in the term-end examination. If you secure good grades/marks in assignments, your overall performance will improve.
2. Assignments are also a part of the teaching-learning process in the ODL system. Your assignment, after evaluation, will be returned back to you with specific and general comments by the evaluator. This will help you to know your strength as well as your weakness. Thus, it will establish two-way communication between learner and evaluator.

How to write Assignments
Please read the instructions for writing the response of an assignment before you start writing your answer.

1. Write your name, program code, the course title, enrolment no. and study centre name with code in the top sheet of the assignment answer booklet. The format is given below.

   PROGRAMME TITLE: _____
   ENROLMENT NO: _____ **NAME:** _____
   COURSE CODE: _____ **COURSE TITLE:** _____
   ASSIGNMENT CODE: _____ **STUDY CENTRE:** _____
   DATE: _____ **SIGNATURE:** _____

2. Before attempting the assignments, please go through the course materials carefully, understand the same and write answers in your own language and style.
3. **Write the answers in your own handwriting.** Give sufficient margin in the left side of each page so that the evaluator will give comments on each paragraph/page.
4. Your handwriting should be neat and readable.

Weightage for each assignments:
For courses without having Practical

1. Each Theory Assignment will carry 25% weightage and term-end examination will carry 75% weightage.
2. Each assignment will be of 100 marks. But it will carry 25% weightage.
3. You have to score minimum passing marks i.e.40% or P (Pass) Grade in 10-point scale for each assignment. In case you do not submit the assignment or get fail mark in the assignment you have to re-submit in the next year.

For Courses having Practical

1. Each Theory Assignment will carry 15% weightage and each Practical Assignment will carry 10% weightage and term-end examination will carry 75% weightage.
2. Each assignment will be of 100 marks. But it will carry 25% weightage.
3. You have to score the minimum passing marks i.e. 40% in each assignment. In case you don not submit the assignment or get fail marks, you will have to re-submit the assignment next year.

ASSIGNMENTS

Application Cyber Security (CSP-13)
(Theory)

Full Mark - 100

Group 'A'

Q. No 1 (Word Limit: 50 words)   **Mark: 2 X 5 = 10**
   a) What is VIRUS? How it is different from Worm?
   b) Define Trojan horse.
   c) What is SQL Injection?
   d) Differentiate between Authentication and Authorization?
   e) Explain about Man-Made Disasters in Cyber Security.

Group 'B'

Q. No. 2   (Word Limit: 100 words)   **Mark: 5 X 4 =20**

   a) What are the characteristics of strong password?
   b) What is Heisen bug? Explain it.
   c) What is malicious code?
   d) What is Disaster Recovery Plan?

Group 'C'

Q. No. 3. (Word Limit: 200 words)   **Mark: 10 X 4 = 40**
   a) What is Digital Signature? What are its importance?
   b) Define Auditing. List different types of Auditing.
   c) Explain Cyber Security Managed Services.
   d) Define Computer Forensics. What are its benefits?

Group 'D'

Q. No. 4. (Word Limit: 300 words)   **Mark: 15 X 2 = 30**
   a) Define Hacking. Explain different types of Hackers.
   b) Write a brief notes on Control Objectives for Information and Related Technology.

ASSIGNMENTS

Network Cyber Security (CSP-14)
(Theory)

Full Mark - 100

Group 'A'

Q. No 1 (Word Limit: 50 words)   **Mark: 2 X 5 = 10**

    a) What are the types of Network security threats?
    b) What are the protocols used in email?
    c) Name any four Web Browser available in Market.
    d) What is SSID?
    e) What are the different WLAN design structures?

Group 'B'

Q. No.2   (Word Limit: 100 words)   **Mark: 5 X 4 =20**

    a) Explain the categories of Network Security threats.
    b) Explain the different header fields of MIME.
    c) Define Cookies. What are the contents of cookies?
    d) What do you mean by SQL Injection?

Group 'C'

Q. No3. (Word Limit: 200 words)   **Mark: 10 X 4 = 40**

    a) What are the types of Network Security Threats? Explain them.
    b) Explain briefly Secure Hypertext Transfer Protocol.
    c) Explain briefly Wireless Network Security protocol
    d) What are the Wireless Security Policy?
    e)

Group 'D'

Q. No4. (Word Limit: 300 words)   **Mark: 15 X 2 = 30**

    a) What is Intrusion Detection Systems? What are its Components?
    b) What are the security concerns for mobile devices? Explain it.

ASSIGNMENTS

Web Technology (CSP-15)

(Theory)

Full Mark - 100

Group 'A'

Q. No 1 (Word Limit: 50 Words)   **Mark: 2 X 5 = 10**

   a) What is Web Page?

   b) Name any two tools that is used for effective web designing.

   c) What are the different types of tag in HTML? Explain.

   d) What is web Socket?

   e) What is Flash?

Group 'B'

Q. No. 2 (Word Limit: 100 Words)   **Mark: 5 × 4= 20**

   a) What is dynamic web sites? What are its types?

   b) Why Website Security Is Important?

   c) What is XHTML? Explain.

   d) What is SVG? How to view SVG files? Explain.

Group 'C'

Q. No. 3   (Word Limit: 200 Words)   **Mark: 10 × 4= 40**

   a) Differentiate between Static vs. Dynamic website
   b) Differentiate between HTML Vs. XHTML.
   c) What is Web Socket? What are the method and event associated with Web Socket object?
   d) Explain How Internet Works?

Group 'D'

Q. No. 4 (Word Limit: 300 Words)   **Mark: 15 × 2= 30**

   a) Difference between HTML4 and HTML5
   b) Write the Steps to Build a Website.

ASSIGNMENTS

(PRACTICAL)

ASSIGNMENTS

Application Cyber Security Lab (CSPL-13)

(Practical)

Full Mark – 100

Answer any Five (each question carries 20 marks)

1. Write down the steps to protect the personal computer system by creating User accounts with password.
2. Write down the steps to create a MS Word document and protect it with a password in MS WORD 2013.
3. Write down the steps to remove a password assigned to a document in MS WORD 20113
4. What are the various methods of protecting and securing databases? Explain it.
5. What are the guideline for setting secure password?
6. Write down the steps to hack a strong password.
7. Explain different password cracking techniques.

ASSIGNMENTS

Application Cyber Security Lab (CSPL-14)

(Practical)

Full Mark – 100

Answer any Five (each question carries 20 marks)

1. Write down the steps to install IDS in an Organization.
2. Write down the steps taken by an organization to reduce the risk of unauthorized access to wireless network.
3. Explain different design configurations of WLAN according to IEEE 802.11 standard?
4. Write down the steps to set Firewall Security in Windows.
5. What are the Inbound and Outbound Rules of Windows Firewall?
6. Write down the steps to open the Windows Firewall with Advanced Security.
7. Explain different wireless network components?

ASSIGNMENTS

Web Technology Lab (CSPL-15)

(Practical)

Full Mark – 100

Answer Any Five (each question carries 20 marks)

1. Write a JavaScript program to accept your first name and surname and concat it.
2. Write a JavaScript program to convert Fahrenheit temperature to Celsius.
3. Write a HTML program to show the working of hyperlink.
4. Write down the steps for hosting a Website.
5. What are the ways to define a color in HTML? Explain with example.
6. Write down the steps to create a Flash Document.
7. Write a JavaScript program to demonstrate the use of Alert, Confirm and Prompt dialog box.