ASSIGNMENTS

CSP- 15, 16 & 17

(Theory & Practical)

SESSION: 2020-21

(POST GRADUATE DIPLOMA IN CYBER SECURITY)

Please read the instructions carefully before attempting assignment questions.

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INSTRUCTIONS FOR DOING ASSIGNMENTS

Dear Learner,

You are required to submit one assignment per course within the stipulated time in order to become eligible to appear in the term-end examination. The assignments will be evaluated by the counselors at your Study Centre. Please submit your assignment solutions to the Coordinator of your Study Center.

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 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 a 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, programme code, course title, enrolment no. and study center name with code in the top sheet of the assignment answer booklet as per the format given below.

    PROGRAMME TITLE: ....**ENROLMENT No.:** …………………

    NAME:…………………………………………………………………………….......

    ADDRESS:………………………………………………………………………….

    COURSECODE…………**COURSE TITLE:**…………………………………….

    ASSIGNMENT CODE:………………. **SIGNATURE:**…………………………….

    STUDY CENTRE: ....**DATE:** ………………………….

2. Before you attempt 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:

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 minimum pass mark i.e. 40% in each assignment. In case you do not submit assignment or get fail mark in assignment you have to re-submit in the next year.

SUBMISSION DATES FOR ASSIGNMENTS

	July Session			
Sl. No.	**Course Code**	**Name of the Course**	**Last Date of Submission**	**Day (As per Calendar)**
1	CSP-15	Web Technology	**28th Feb 2021**	Sunday
2	CSP-16	White Hat Hacking	**28th Feb 2021**	Sunday
3	CSP-17	Security Analysis & Reporting	**28th Feb 2021**	Sunday
4	CSPL-15	Web Technology Lab	**28th Feb 2021**	Sunday
5	CSPL-16	White Hat Hacking Lab	**28th Feb 2021**	Sunday
6	CSPL-17	Security Analysis & Reporting Lab	**28th Feb 2021**	Sunday

ASSIGNMENTS

Web Technology (CSP-15)
(Theory)

Full Mark – 100

GROUP- 'A'
Q. No. 1 Answer all the questions, each within on word or one sentences   Marks: 1 × 10= 10

   a) Amazon does not offer web hosting. (T/F)

   b) What is the role of Tag in Mark Up language?

   c) _____ selector is used to specify a style for a group of elements.

   d) <script> tag has two attributes: _____ & _____.

   e) What does XML stand for?

   f) Why <Link> tag is used in CSS?

   g) DTD stands for _____?

   h) How to give comment line in an XML document?

   i) _____ Tag is used to display picture in HTML**?**

   j) Java Script cannot read, create, modify or delete cookies of the current webpage. (T/F)

Group 'B'
Q. No 2. Short answer-type Questions (Word Limit: 100 Words)   Marks:5 X 4 = 20

   a) Write down the steps to create, save and execute an HTML document?

   b) Describe the advantages of using CSS.

   c) Define Meta tags & their usage briefly.

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

Group 'C'
Q. No 3. Medium answer-type Questions (Word Limit: 200 Words)   Marks: 10 X 4 = 40

   a) Discuss about the block-level elements used in HTML.

   b) What is Web Socket? Write down about various events & methods associated with it..

   c) Give a brief description about properties, related to Box Model.

   d) How to manage Hyperlinks using CSS?

Group 'D'
Q. No 4. Long answer-type Questions (Word Limit: 300 Words)   Marks: 15 X 2 = 30

   a) Give a brief description about the various ways to build style sheet.

   b) Write down the difference between HTML-4 & HTML-5.

ASSIGNMENTS

White Hat Hacking (CSP-16)
(Theory)

Full Mark – 100

GROUP- 'A'
Q. No. 1 Answer all the questions, each within on word or one sentences   Marks: 1 × 10= 10

   a) What is the full form of RATs?

   b) What is Phreaker?

   c) _____ is the art of exploring the hidden things that are being hidden & finding loopholes in security.

   d) In DOS attack, System can be used as a participant to attack another system. (T/F)

   e) Define Crawling?

   f) Reconnaissance is of two types _____ & _____.

   g) What does SSL stand for?

   h) _____ is a kind of virus that mostly attach to empty areas of files.

   i) Which attack works on dynamic SQL statements?

   j) Define the term Phishing?

Group 'B'
Q. No 2. Short answer-type Questions (Word Limit: 100 Words)   Marks:5 X 4 = 20

   a) Discuss about various types of Cyber Crime.

   b) Write down the advantages as well as weakness of Information Gathering.

   c) What are the different ways to System/Password Hacking?

   d) Define various steps taken to prevent Session Hijacking.

Group 'C'
Q. No 3. Medium answer-type Questions (Word Limit: 200 Words)   Marks: 10 X 4 = 40

   Brief Notes on:

   a) Phases in Hacking

   b) Reconnaissance.

   c) ROOT KIT.

   d) Social Engineering & Its Effectiveness.

Group 'D'
Q. No 4. Long answer-type Questions (Word Limit: 300 Words)   Marks: 15 X 2 = 30

   a) Briefly discuss about common hacking methodologies.

   b) What is SQL Injection? Discuss about various categories of SQL Injection Attacks.

ASSIGNMENTS

Security Analysis & Reporting (CSP-17)
(Theory)

Full Mark – 100

GROUP- 'A'
Q. No. 1 Answer all the questions, each within on word or one sentences   Marks: 1×10= 10

a) What is the full form of WEP?
b) Web Traffic concept cannot be Sniffed.(T/F)
c) _____ is the name of the IT law that India is having in the Indian Legislature.
d) Firewall is a type of _____.
e) Define Key Logger?
f) DRP stands for _____.
g) _____ program is capable of replicating itself with no user intervention.
h) Full Fom of CCIRC is _____.
i) What is Botnets?
j) RFID stands for _____.

Group 'B'
Q. No 2. Short answer-type Questions (Word Limit: 100 Words)   Marks:5 X 4 = 20

a) Write the difference between RATs & Botnets.
b) Difference between Penetration Testing Vs Vulnerability Assessment.
c) What is Massive Eavesdropping?
d) Discuss about Crisis Handling Steps of any organization..

Group 'C'
Q. No 3. Medium answer-type Questions (Word Limit: 200 Words)   Marks: 10 X 4 = 40

a) What is Phishing? Discuss various type of Phishing.
b) Describe the process of Penetration Testing.
c) Discuss about the life cycle of Social Engineering.
d) Write a short notes on Evidence Retention.

Group 'D'
Q. No 4. Long answer-type Questions (Word Limit: 300 Words)   Marks: 15 X 2 = 30

a) Briefly describe the phases of Cyber Security Incident Management. .
b) Discuss about the principles of Network Security Analysis Strategy.

ASSIGNMENTS

(PRACTICAL)

ASSIGNMENTS

Web Technology Lab (CSPL-15)
(Practical)

Full Mark – 100

Answer all (each question carries 20 marks)

1. Write the HTML code to design a student mark sheet.
2. Write down a java script to generate fibonacci series up to 50. .
3. Write down the steps to create a flash document.
4. Write a java script program to demonstrate the use of nested function.
5. How to work with Hyperlinks in CSS? Give Example.

White Hat Hacking Lab (CSPL-16)
(Practical)

Full Mark – 100

Answer all (each question carries 20 marks)

1. Write down the steps to perform SQL Injection.
2. How Man-in-Middle attack work on TCP/IP Hijacking?
3. Discuss about various Tools used for Wireless Hacking.
4. What are the precautions needed to secure a Wireless Network?
5. Define Sniffing and its type.

Security Analysis & Reporting Lab (CSPL-17)
(Practical)

Full Mark – 100

Answer all (each question carries 20 marks)

1. Define the techniques & their guidelines for Packet Sniffing in a Switched Environment.
2. Define Wireshark & its benefits. Write the steps for installing Wireshark in Microsoft Windows System.
3. What is the role of "Name Resolution" in network addressing? Describe the potential drawbacks of Name Resolution.
4. Discuss about storing & exporting captured packets or files. How to merge captured files for network analysis?
5. Define "Reconnaissance". How it is related to "SYN Scan"?.