



Roll No.															
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations - March 2026

Date: 11-03- 2026

Time: 11.45am to 01.15pm

School: SOCSE	Program: B.TECH – Cyber Security	
Course Code : CCS2507	Course Name: Web Security	
Semester: VI	Max Marks: 50	Weightage: 25%

CO - Levels	C01	C02
Marks	24	26

Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 2marks.

5Q x 2M=10M

1	What is the difference between a static and dynamic web application?	2 Marks	L1	C01
2	Name 4 headers of HTTP requests and responses .	2 Marks	L1	C01
3	List the classes for proving the identity, provide examples for each	2 Marks	L1	C02
4	What is a brute-force attack, and how does it work?	2 Marks	L1	C02
5	What is the risk of implementing security questions as a backup authentication mechanism?	2 Marks	L1	C02

Part B

Answer the Questions.

Total Marks 40M

6.	a.	Explain the structure of an HTTP request and response. How do headers, status codes, and message bodies contribute to web communication?	10 Marks	L2	C01
	b.	What are the different categorization of Web Application Authentication, explain with example?	10 Marks	L1	C02
Or					
7.	a.	Explain the Base64 encoding technique and its applications. Convert the word "Cat" into its Base64 representation.	10 Marks	L2	C01
	b.	What are common implementation flaws in authentication mechanisms? Provide examples and explain how they can be fixed.	10 Marks	L1	C02

8.	a.	Define and write the expected results – i) ping ii)netstat iii)systeminfo iv)whoami v)wmic	10 Marks	L1	C01
	b.	Your organization wants to improve its security posture by monitoring network traffic for suspicious activity. How does Wireshark help in vulnerability assessment? If you need to monitor HTTP traffic on a web server, how would you capture and analyze HTTP packets in Wireshark?	10 Marks	L3	C02
Or					
9.	a.	What are the categorizations of threats in Nessus? How is it prioritized?	10 Marks	L1	C01
	b.	A cybersecurity team is planning to conduct a vulnerability assessment on their corporate network. How does Nmap help in this process, and why is it a preferred tool for network scanning? How would you scan an entire subnet (192.168.1.0/24) to identify all live hosts, in a range of IP addresses.	10 Marks	L3	C02