



# PRESIDENCY UNIVERSITY

BENGALURU

Roll No.																			
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## Mid - Term Examinations - March 2026

Date: 13- 03-2026

Time:11.45am to 01.15pm

<b>School:</b> SOCSE	<b>Program:</b> B.Tech Cyber Security		
<b>Course Code:</b> CCS2509	<b>Course Name:</b> Malware Analysis		
<b>Semester:</b> VI	<b>Max Marks:</b> 50	<b>Weightage:</b> 25%	

CO - Levels	C01	C02	C03	C04	C05&C06
Marks	26	24	-	-	-

### 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	Define malware. Give two examples.	2 Marks	L2	C01
2	What is a bot or botnet? State one malicious use.	2 Marks	L2	C01
3	Differentiate between a virus and a worm.	2 Marks	L2	C01
4	Define antivirus scanning	2 Marks	L2	C02
5	State the purpose of signature-based detection in antivirus systems.	2 Marks	L2	C02

## Part B

Answer the Questions.

Total Marks 40M

6.	a.	Explain static malware analysis. Discuss its advantages and limitations.	10 Marks	L2	C01
<b>Or</b>					
7.	a.	Explain the three pillars of OS security. How do they help in protecting systems from malware?	10 Marks	L2	C01

8.	a.	Define malware. Explain the evolution of malware from the early era to the modern era.	10 Marks	L2	C01
<b>Or</b>					
9.	a.	Define access control. Explain how access control determines who can access system resources and how they can use them.	10 Marks	L2	C01

10.	a.	Explain the concept of antivirus scanning and its role in malware detection.	10 Marks	L2	C02
<b>Or</b>					
11.	a.	Discuss the advantages and limitations of antivirus fingerprinting methods.	10 Marks	L2	C02

12.	a.	Describe various malware fingerprinting techniques used in modern antivirus systems.	10 Marks	L2	C02
<b>Or</b>					
13.	a.	Explain how heuristic analysis supports fingerprinting in antivirus systems.	10 Marks	L2	C02