

K. J. Somaiya Institute of Technology, Sion, Mumbai-22
(Autonomous College Affiliated to University of Mumbai)

May-June 2026		
(B. Tech / M. Tech.) Program: Computer Engineering Scheme: IIB		
Regular Examination: LY Semester: VIII		
Course Code: CEDLC8023 and Course Name: Digital Forensics		
Date of Exam: 21/5/2026	Duration: 02.5 Hours	Max. Marks: 60

Instructions:

- (1) All questions are compulsory.
- (2) Draw neat diagrams wherever applicable.
- (3) Assume suitable data, if necessary.

Q. No.	Question	Max. Marks	CO	BT level
Q 1	Solve any two questions out of three: (05 marks each)	10		
a)	Define cybercrime and explain its types.		1	U
b)	Describe different types of malware.		1	U
c)	Explain types of digital evidence.		3	U
Q 2	Solve any two questions out of three: (05 marks each)	10		
a)	Explain Snort and Suricata in detail.		4	A
b)	Define data analysis techniques in forensics.		5	U
c)	Explain goals of forensic reporting.		6	U
Q.3	Solve any two questions out of three. (10 marks each)	20		
a)	Explain forensic duplication process with suitable tools.		2	U
b)	Explain evidence handling process with diagram.		3	U
c)	Describe methods used for email tracing.		4	A
Q.4	Solve any two questions out of three. (10 marks each)	20		
a)	Explain chain of custody in detail.		2	U
b)	Explain log analysis and registry analysis techniques.		5	U
c)	Explain challenges in forensic report preparation.		6	U
