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

April – May 2022-23
(B.Tech / M.Tech.) Program: BTech Scheme I/II:_ I .
Examination: TY   Semester: VI
Course Code: HCSC601 and   Course Name: Digital Forensics

Date of Exam: 24/05/23   Duration: 2.5 Hours   Max. Marks: 60

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

		Max Marks	CO	BT level
Q 1	**Solve any six questions out of eight:**	12		
i)	What is Cybercrime?		CO1	U
ii)	What is Digital Forensics?		CO2	U
iii)	What is computer forensics?		CO3	U
iv)	What is incident and what is incident response?		CO4	U
v)	Which are the different types of forensics tools?		CO5	U
vi)	What are the tasks performed by forensic tools?		CO5	U
vii)	What is intrusion detection System CAN and CANNOT provide?		CO6	U
viii)	Differentiate Network based IDS and host based IDS.		CO6	U
Q.2	**Solve any four questions out of six.**	16		
i)	What is worm? What are the types of worms?		CO1	U
ii)	What are the challenges in evidence handling?		CO2	U
iii)	Explain FAT32		CO3	U
iv)	How to save information obtained at the time of initial response?		CO4	U
v)	What is the layout of report writing?		CO5	U
vi)	Explain the attacks on Network and its preventions.		CO6	U

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Q.3	Solve any two questions out of three.			
i)	Explain how Cybercrime can be prevented.	16		
ii)	Why Forensic duplication is required?		CO1	U
iii)	For the following case study/incidence, prepare an incidence response report.		CO4	U
	An administrator calls the corporate director of safety/security over the worry of a representative. The administrator shows that the employee had inquired as to whether their neighbors had called. When asked why, the representative had related an anecdote about his neighbors who have a machine that can read his brain. The worker had told the administrator that this matter should be accounted for because only the FBI is approved to have such a machine.		CO5	Apply
Q.4	Solve any two questions out of three.			
i)	Explain Life cycle of digital Forensics?	16		
ii)	Explain the need of computer forensic tools.		CO2	U
iii)	What is intrusion detection?		CO3	U
			CO6	U

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