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B.M.S. College of Engineering, Bengaluru-560019

Autonomous Institute Affiliated to VTU

July 2023 Semester End Main Examinations

Programme: B.E.

Branch: Institutional Elective

Course Code: 21BT8IEFRS

Course: Forensic Science

Semester: VIII

Duration: 3 hrs.

Max Marks: 100

Date: 06.07.2023

Instructions: 1. Answer any FIVE full questions, choosing one full question from each unit.
2. Missing data, if any, may be suitably assumed.

UNIT - I			CO	PO	Marks
1	a)	List out applications of forensics in different fields.	<i>CO1</i>	<i>PO</i>	06
	b)	Mention six significant milestones in forensic science.	<i>CO1</i>	<i>PO</i>	06
	c)	Brief on importance and significance of courts in forensics.	<i>CO 2</i>	<i>PO1</i>	08
UNIT - II					
2	a)	With suitable schematic representation, detail on crime scene search pattern types.	<i>CO2</i>	<i>PO1</i>	08
	b)	List any five basic services provided by most crime labs.	<i>CO1</i>	<i>PO</i>	05
	c)	What is chain of custody? Why is it important to maintain chain of custody?	<i>CO1</i>	<i>PO</i>	07
OR					
3	a)	State the protocol of collection and packaging of evidence with examples.	<i>CO2</i>	<i>PO1</i>	10
	b)	Brief on services provided by document examination unit and firearms unit of Forensic lab.	<i>CO2</i>	<i>PO1</i>	10
UNIT - III					
4		Explain the significance and analysis of the following evidences in forensic science investigation: Glass, Hair, Paint, Blood stain pattern.	<i>CO3</i>	<i>PO2</i>	20
OR					
5		Illustrate a workflow and elucidate the steps for chromatographic techniques used in forensic analysis.	<i>CO2</i>	<i>PO1</i>	20

Important Note: Completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
Revealing of identification, appeal to evaluator will be treated as malpractice.

UNIT - IV					
6	a)	<p>A forensic anthropologist was given a skull and a pelvic girdle and was asked to identify the sex.</p> <p>The anthropologist identified the skull as belonging to male and the pelvic girdle to that of a female. On what basis did the anthropologist identify?</p>	<i>CO3</i>	<i>PO2</i>	10
	b)	Identify patterns and explain the following images.	<i>CO2</i>	<i>PO1</i>	10
UNIT - V					
7	a)	Design a flowchart showing the procedure of collecting digital evidence.	<i>CO2</i>	<i>PO1</i>	10
	b)	Mention codes of ethics in use by forensic science organizations.	<i>CO1</i>	<i>PO</i>	10
