



## **BRAINWARE UNIVERSITY**

**Term End Examination 2023-2024** Programme – B.Sc.(BT)-Hons-2023 Course Name - Forensic Sciences Course Code - BBT20001 ( Semester II )

Full Marks: 60 Time: 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

## Group-A

(Multiple Choice Type Question)

1 x 15=15

- Choose the correct alternative from the following:
- (i) List the two notable figures in the development of criminal profiling:
  - a) John E. Douglas, Robert Ressler b) Ted Bundy, Jeffrey Dahmer

c) Sigmund Freud, Karl Marx

- d) Cesare Lombroso, Émile Durkheim
- (ii) Infer the key factor that distinguishes investigative profiling from geographic profiling:
  - a) Crime Scenes

b) Spatial Patterns

c) Forensic Evidences

- d) Victim Characteristics
- (iii) Tell the principle that involves drawing conclusions from specific observations:
  - a) Inductive Reasoning

- b) Criminal Signature
- c) Organized v. Disorganized Offenders
- d) Vicarious Experience
- (iv) Label the technique of organized offenders differing from disorganized offenders:
  - a) Planning v. Impulsivity

b) Meticulous v. Chaotic

c) Patterns v. Behaviours

- d) Experience v. Intuition
- (v) Infer the technological advancement that has been explored in recent years for criminal profiling:
  - a) Artificial Intelligence

b) Empirical Research

c) Human Expertise

- d) Forensic Databases
- (vi) Infer the aspect of modus operandi that helps in reconstructing the sequence of events at a crime scene:
  - a) Escape Method

b) Crime Scene Behaviour

c) Victim Selection

- d) Actions during Crime
- (vii) Illustrate the method that helps in understanding the modus operandi and aids in predicting future behavior:
  - a) Linking Crimes

b) Identifying Serial Offenders

c) Analyzing Escape Routes

d) Recognizing Patterns

(viii)	Infer the discipline that involves analyzing skele and sex:		e
(ix)	<ul><li>a) Digital Forensics</li><li>c) Forensic Odontology</li><li>Infer the stage that involves synthesizing inform</li></ul>	<ul><li>b) Forensic Anthropology</li><li>d) Forensic Entomology</li><li>ation from various forensic disciplines:</li></ul>	
	<ul> <li>a) Crime Scene Examination</li> <li>c) DNA Analysis</li> <li>Infer the factor that may influence an offender's variations in their modus operandi:</li> </ul>	<ul><li>b) Forensic Pathology</li><li>d) Crime Reconstruction</li></ul>	
(xi)	<ul><li>a) External Factors</li><li>c) Historical Patterns</li><li>Identify the situation that is considered ideal for scene investigation:</li></ul>	<ul><li>b) Internal Motives</li><li>d) Psychological Traits</li><li>r a forensic medicine expert to perform</li></ul>	a
(xii)	<ul><li>a) Only in confirmed homicides</li><li>c) When resources are insufficient</li><li>Infer the initial walkthrough during crime scene</li></ul>	<ul><li>b) Only in accidents</li><li>d) If the body remains at the scene o assessment that help investigators do:</li></ul>	f death
(xiii)	a) Collect physical evidence b) Develop an initial hypothesis c) Secure the scene d) Establish boundaries ) Identify the Act that deals with offenses related to narcotics and psychotropic substances in India:		
	a) Indian Penal Code	b) Narcotic Drugs and Psychotropic St Act (NDPS Act)	ubstances
(xiv)	c) Drugs and Cosmetics Act Choose the Act dealing with the regulation of es	d) Essential Commodities Act	
	a) Indian Penal Code	b) Narcotic Drugs and Psychotropic Su Act (NDPS Act)	ıbstances
(xv)	c) Essential Commodities Act Label the Act that provides a legal framework fo	d) Drugs and Cosmetics Act	
	<ul><li>a) Explosive Substances Act</li><li>c) Narcotic Drugs and Psychotropic Substances Act (NDPS Act)</li></ul>	<ul><li>b) Indian Penal Code</li><li>d) Drugs and Cosmetics Act</li></ul>	
	Grou	лр-В	
	(Short Answer T		3 x 5=15
D	terpret the contribution of criminal anthropology ehavior.		(3)
5. III	3. Infer contemporary criminology diverging from the principles of criminal anthropology. 4. Outline the two main types of criminal profiling methods, and their distinguistion. 5. Illustrate the objectives of the Narcotics Drugs & Psychotropic Substances Act, 1985.		
	. List any three components of a crime scene assessment.  OR		
D	issect the importance of sweat and tears in forens	ic examination.	(3)
	Grou		
	(Long Answer Ty	/pe Questions)	5 x 6=30
7.2	explain how do poisons exert their toxic effects on nfluence their toxicity?		(5)
8. E	explain the techniques which are commonly emplo	oyed for the preservation of developed	(5)

9.	Explain how the forensic experts use fingerprint analysis to establish the identity of individuals in legal proceedings	(5)
10.	Illustrate the role of scale and perspective play in forensic photography	(5)
		(5)
12.	Examine the importance of forensic odontology.	(5)
	OR List any five different types of clues that are sually found and collected while assessing a crime scene.	(5)

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