

Total No. of Questions: 6

Total No. of Printed Pages:3

Enrollment No.....



Faculty of Science  
End Sem Examination May-2024  
FS3CO10 Questioned Document

Programme: B.Sc. (Hons.)

Branch/Specialisation: Forensic  
Science

Duration: 3 Hrs.

Maximum Marks: 60

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers to Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

- Q.1 i. Who is known as the father of Questioned documents? **1**  
(a) Henry Faulds (b) Edmond Locard  
(c) Albert S. Osborn (d) Calvin Goddard
- ii. Gooping of ink is seen in which type of pen? **1**  
(a) Ballpoint pen (b) Fountain pen  
(c) Gel ink pen (d) Metal stylus
- iii. It is used as a stabilising agent in handling charred documents. **1**  
(a) Boric powder  
(b) Sodium chloride solution  
(c) Copper sulphate solution  
(d) Polyvinyl acetate solution
- iv. How many bleed lines are present on Rs. 100 notes? **1**  
(a) 5 (b) 4 (c) 1 (d) 7
- v. The UV region covers the wavelength between \_\_\_\_\_. **1**  
(a) 100nm-400nm (b) 400nm-800nm  
(c) 400nm –1000 nm (d) 10nm-100nm
- vi. It is an integrated, composite, and comprehensive system for questioned document examination. **1**  
(a) ESDA  
(b) UV Chamber  
(c) VSC  
(d) Stereo microscope

[2]

	vii.	Features of disguised writing include:	<b>1</b>
		(a) Lack of consistency within the writing	
		(b) Addition of embellishment	
		(c) Introduction of capital letters instead of small letters	
		(d) All of these	
	viii.	Penmanship signifies:	<b>1</b>
		(a) The unique art of handwriting of every person	
		(b) The owner of the writing instrument	
		(c) The way the person holds the writing instrument	
		(d) The development of the handwriting of the person	
	ix.	t- crossbar and i-dot are known as:	<b>1</b>
		(a) Buckle signs                      (b) Ascenders	
		(c) Eyelets                              (d) Diacritic signs	
	x.	Who was appointed as the first GEQD Expert in India?	<b>1</b>
		(a) Mr. CR Hardless                      (b) Mr. Hem Chandra Bose	
		(c) Mr. Albert S. Osborn                      (d) Mr. William Herschel	
Q.2	i.	Define questioned document.	<b>2</b>
	ii.	What are standards? Give its types.	<b>3</b>
	iii.	Comment on Ink and its examination.	<b>5</b>
OR	iv.	Comment on the paper and its examination.	<b>5</b>
Q.3	i.	Define:	<b>2</b>
		(a) Charred documents	
		(b) Invisible writings	
	ii.	Comment on examination of Indian passports.	<b>8</b>
OR	iii.	What do you understand by alterations? Explain its types in detail.	<b>8</b>
Q.4	i.	What are the steps to follow in the preliminary examination of questioned documents?	<b>3</b>
	ii.	Explain principle and working of VSC.	<b>7</b>
OR	iii.	Explain principle and working of ESDA.	<b>7</b>
Q.5	i.	Comment upon physiology and development of handwriting.	<b>4</b>
	ii.	What is disguised writing? How do we differentiate disguised writing from genuine writing?	<b>6</b>

[3]

OR	iii.	Give reason:	<b>6</b>
		(a) Disguise leads to an inferior quality of writing.	
		(b) Natural variations are signs of the genuineness of handwriting.	
		(c) No two skilled writers exhibit identical handwriting features.	
Q.6		Attempt any two:	
	i.	Describe class and individual characteristics in handwriting	<b>5</b>
	ii.	What are natural variations? Explain its forensic significance.	<b>5</b>
	iii.	Explain the examination and reporting of questioned documents.	<b>5</b>

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## Marking Scheme

### Questioned Document (T) - FS3CO10 (T)

Q.1	i)	c) Albert S. Osborn		<b>1</b>
	ii)	a) Ballpoint pen		<b>1</b>
	iii)	d) Polyvinyl acetate solution		<b>1</b>
	iv)	b) 4		<b>1</b>
	v)	a) 100nm-400nm		<b>1</b>
	vi)	c) VSC		<b>1</b>
	vii)	d) All of the above		<b>1</b>
	viii)	a) The unique art of handwriting of every person		<b>1</b>
	ix)	d) Diacritic signs		<b>1</b>
	x)	a) Mr. CR Hardless		<b>1</b>
Q.2	i.	Define Questioned documents.		<b>2</b>
		Definition	- 1 Mark	
		Examples	- 1 Mark	
	ii.	What are standards? Give its types.		<b>3</b>
		Definition	- 1 Mark	
		Types:(Collected and Requested)	- 2 Marks	
	iii.	Comment on Ink and its examination		<b>5</b>
		Ink and its types	- 2 Marks	
		Examination of Ink	- 3 Marks	
OR	iv.	Comment on the Paper and its examination		<b>5</b>
		Paper and its types	- 2 Marks	
		Examination of Paper	- 3 Marks	
	Q.3 i.	Define: a) Charred documents	- 1 Mark	<b>2</b>
		b) Invisible writings	- 1 Mark	
	ii.	Comment on examination of Indian passports.		<b>8</b>
		Introduction-	2 Marks	
		Characteristics-	6 Marks	
	OR iii.	What do you understand by Alterations?		<b>8</b>
		Definition	four Types 2 Marks each	
		Types of Alterations	- 3 Marks	
Q.4	i.	What are the steps to follow in the preliminary examination of questioned documents?	6 Points - 0.5 each	<b>7</b>
	ii.	Define VSC and its working		<b>7</b>
				<b>7</b>
				<b>7</b>

OR	iii.	Define ESDA and its working		<b>7</b>
		Definition	-2 Marks	
		Working	- 3 Marks	
		Forensic Importance	- 2 Marks	<b>7</b>
	Q.5 i.	Comment upon physiology and development of handwriting.		<b>4</b>
		Physiology of handwriting	- 2 Marks	
		development of handwriting	-2 Marks	
	ii.	What is disguised writing? How do we differentiate disguised writing from genuine writing?		<b>6</b>
		Disguised writing	- 1 Mark	
		Characteristics of disguise	- 3 Marks	
OR		Difference between genuine writing and disguised writing	- 2 Marks	<b>6</b>
	iii.	Give reason:		<b>6</b>
		a) Disguise leads to an inferior quality of writing.	-2 Marks	
		b) Natural variations are signs of the genuineness of handwriting.	-2 Marks	
		c) No two skilled writers exhibit identical handwriting features.	- 2 Marks	<b>6</b>
Q.6	i.	Define Class and Individual Characteristics in handwriting.		<b>5</b>
		Class characteristics	-2.5 Marks	
		Individual characteristics	-2.5 Marks	
	ii.	What are natural variations, that give its significance?		<b>5</b>
		Definition of Natural variations	-2.5 Marks	
		Significance	-2.5 Marks	
	iii.	Explain the Examination and reporting of questioned documents.		<b>5</b>
		Examination of documents	-2.5 Marks	
		Report writing	-2.5 Marks	
				<b>5</b>

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[2]

[3]