First Semester B. Sc. (Part - I) Examination

1S: FORENSIC SCIENCE

(Basics of Forensic Science)

D	Pages	Q.	
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Time: Three Hours]	[Max. Marks : 80
(2) C w tr (3) D	all questions are compulsory. Question no. one carries eight marks white each of remaining questions carry welve marks. Oraw Diagram and write equations
1. (A) Fill in the organ	examination of body fluids and ans for drugs and poison is a function
(ii) Con	nparison microscope was invented by place where crime took place is
calle (iv) The	diameter of bloodstain is 1 to 3 in the bloodstain

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- (B) Multiple Choice Questions:
 - (i) The branc i of science deals with the study of death.
 - (a) Odor.tology
 - (b) Anthropology
 - (c) Thantology
 - (d) DNA fingerprinting
 - (ii) Fingerprints on the white surface can be developed by
 - (a) Black powder
 - (b) White powder
 - (c) Fluroscent powder
 - (d) Talcum powder
 - (iii) Rate of stiffening help in the determination of
 - (a) Cause of death.
 - (b) Time of death.
 - (c) Place of death.
 - (d) Manner of death.

		(iv) Leading questions are permitted only i	n-
-		(a) Re-Examination	
		(b) Cross Examination	
		(c) Examination in Chief	
		(d) Judicial Examination.	2
	(C)	One sentences answer:	
		(i) What is Asphyxia?	
		(ii) Define Adipocere formation.	
		(iii) What is Bestility ?	
		(iv) Define crime scene.	4
		UNIT I	
2.	(a).	Explain criminalization in brief.	4
	(b)	What is crime? Explain types of crime i legal system.	n 4
	(c)	Write down the history of forensic science	
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OR

3.	(p)	Write down the role of Forensic scientist.
	(g)	Explain the following terms:
		(i) Francis Galton.
		(ii) Calvin Goddard. 4
	(r)	What is Forensic Science? Explain importance of it in criminal investigation. 4
		UNIT II
4.	(a)	Explain in brief division in the Forensic Science Laboratory. (F.S.L.)
		(i) Physics division.
		(ii) Chemistry division.
		(iii) Serology division.
	(b)	What is blood? Explain its importance in criminal investigation.
	(c)	Explain documentation of bloodstain pattern analysis.

OR

5.	(p)	Explain directionality in brief.	3
	(q)	Explain the following bloodstain pattern -	-
		(i) Cast-off stain pattern.	
	*	(ii) Transfer blood stain pattern.	
		(iii) Expirated blood stain pattern.	6
	(1)	What are the services and functions provide by (F.S.L.) Forensic Science Laboratory.	ed 3
		UNIT III	
6.	(a)	Explain crime scene procedure.	4
	(b)	Explain methods of sketching.	4
	(c)	Write down the methods of searching.	4
		OR	
7.	(p)	Discuss the components of crime scen	ne
		i) Manpower Management.	
		(ii) Technology Management.	4
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	(q)	Explain photography in crime scene investigation.
	(r)	Explain collection and preservation of physical evidence.
		UNIT IV
8.	(a)	Explain the following terms -
		(i) Black powder.
		(ii) White powder.
		(iii) Fluroscent powder. 6
	(b)	What is bite mark? Explain the collection of bite marks.
	(c)	Explain forensic significance of footprint and bite marks.
		OR
9, .	(p)	Explain the following pattern:-
		(i) Central Pocket loop.
		(ii) Lateral Pocket loop
		(iii) Twin loop.

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	(q)	Explain procedure for recording of fingerprints.
	(r)	Explain forensic significance of lip print.
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		UNIT V
10.	(a)	Define document. Explain indented and chained document. 4
	(b)	Explain Traced forgery in detail. 4
	(c)	Write down the following terms:
		(i) Addition
		(ii) Obliteration 4
		OR ·
11.	(p)	What is handwriting? Explain individual characteristics of handwriting. 4
	(q)	Explain in detail disguise writing. 4
	(r)	Explain basic 2 tools needed for document examination. 4
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UNIT VI

5.	(a)	Define death. Explain modes of death.	3
	(b)	Write in brief on following terms:	
		(i) Magistrate inquest.	
		(ii) Police inquest.	
		(iii) Coroner inquest.	6
	(c)	Explain following terms.	
		(i) Rigor mortis.	
		(ii) Algor mortis.	3
		OR	
13.	(p)	Explain late changes of death.	4
	(q)	Define thantology. Explain mummification detail.	in 4
	(r)	Explain Mechanical injury.	4