## B.Sc. (Part—III) Semester-VI Examination 6S-FORENSIC SCIENCE

(Digital and Cyber Forensics)

Time	m Marks: 80			
Note :—(1)			All questions are compulsory.	
		(2)	Q. No. 1 carries 8 marks and remaining questions carry 12 marks each.	
		(3)	Draw neat and well labelled diagrams wherever necessary.	
1.	(A)	Fill	in the blanks:	
		(i)	Google is an	1/2
		(ii)	Ubunty is an open source operating system.	1/2
		(iii)	is the part of computer that you can see and touch.	1/2
		(iv)	Bluetooth is a communication media.	1/2
	(B)	Cho	ose correct alternative from the following:	
•		(i)	DNS stands for:	1/2
			(a) Domain Number System	
			(b) Decimal Number System	
			(c) Domain Name System	
		(ii)	ALU is a component of:	1/2
			(a) Central Processing Unit	
			(b) Central Logic Gate	
			(c) Central Public Unit	
		(iii)	FTP stands for :	1/2
			(a) File Tele Program	
			(b) Full Transfer Protocol	
			(c) File Transfer Protocol	
		(iv)	WWW stands for :	1/2
			(a) World Whole Web	
			(b) Wide World Web	
			(c) World Wide Web	
	(C)	Ans	swer in one sentence :	
		(i)	What is digital signature?	1
		(ii)	What does Encrypton mean?	1
		(iii)	CIA stands for ?	1
		(iv)	What is Gutslak meant by ?	1
2.	(a)	Des	scribe operating system and its type in detail.	8
	(b)	Wh	nat is cyber crime and explain its four types.	4
			OR	
3.	(p)	Exp	plain security model CIA triad in detail.	6
	(q)	Dif	ferentiate between Digital and Physical evidences in detail with examples.	6
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4.	(a)	Explain IR methodology in detail.	4
	(b)	Describe Coroner's toolkit.	4
	(c)	Explain how to investigate incident in detail.	4
		OR	
5.	(p)	Describe FTK in brief.	4
	(q)	What is disk imaging? Also explain how to make disk image?	4
	(r)	What is incident response and give steps to handle incident most effectively?	4
6.	(a)	Describe evidence collection in brief.	4
	(b)	Explain how to obtain bit stream backup of hard drive.	4
	(c)	Give advantages and disadvantages of general biometric system.	4
		OR	
7.	(p)	What is file system? Give its data structure.	4
	(q)	Describe various types of biometric methods.	4
	(r)	Explain in brief what makes biometric difficult.	4
8.	(a)	Give computer ethics and application programms in data and evidence recovery.	6
	(b)	Explain how to recover swap files and temporary files.	3
	(c)	Describe formatted partition recovery.	3
		OR	
9.	(p)	Describe data recovery procedure.	4
	(q)	Explain Encase Forensic Edition.	4
	(r)	Describe document a 'chain of custody' in detail.	4
10.	(a)	Describe erptographic applications.	4
	(b)	Explain SSL-secure in detail.	4
	(c)	Explain E-mail investigation in detail.	4
		OR	
11.	(p)	Explain the term Encryption and give its method.	4
	(q)	Explain password cracking in detail.	4
	(r)	Explain electronic transaction.	4
12.	(a)	Explain the concept of e-governance in detail and mention various stages of e-governance	ance
			8
	(b)	Give notable features of TT Act 2008.	4
		OR	
13.	(p)	Describe recognition and verification of digital signature and penalties under IT Act 2	2000
			6
	(q)	Write in brief emerging trends in Information Technology Law.	$\epsilon$