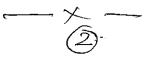
SARDAR PATEL UNIVERSITY

M.Sc. Semester –III (Forensic Science) Examination SATURDAY, 22nd, Oct 2016

PS03CFSC01: FORENSIC PHYSICS

TIME-	- 02.00PM - 05.00PM	TOTAL MARKS- 7	
only.	ver of all the questions (including multip	e choice questions) should be written in the provided answer bo	
	ne questions are compulsory. The set of the right indicate maximum marks of	f the questions.	
Q-1 M	Iultiple Choice Questions:	(1	
1.	glass is one of the most common type of borosilicate glass.		
	(a) Safety	(b) Pyrex	
	(c) Flint	(d) Wired	
2.	The variation in soil composition	occurs every yards from the crime scene.	
	(a) 1 to 10	(b) 10 to 50	
	(c) 10 to 100	(d) 10 to 150	
3.	The part of the tire that comes in contact with the road surface is known as		
	(a) Tread	(b) Rubber	
	(c) Lands	(d) None of the these	
4.	Least count of micrometer screw gauge is mm.		
	(a) 1	(b) 0.1	
	(c) 0.01	(d) 0.001	
5.	Concrete is a blend of		
	(a) Mortar, cement & sand	(b) Cement, sand & aggregate pieces	
	(c) Sand & cement	(d) Sand & debris	
6.	is/are the method/methods used to obliterate identification marks.		
	(a) Substitution	(b) Peening	
	(c) Both a & b	(d) None of these	
7.	The structure above larynx and in front of vertebrae is		
	(a) Vocal tract	(b) Supra laryngeal vocal tract	
	(c) Oesophagus	(d) Trachea	
8,	The vibration of vocal cord is call	ed as .	
	(a) Sound	(b) Relaxation	
	(c) Abduction	(d) Voicing	

Q-2 Answer in Brief: (Attempt Any 7)		
 How will you determine the sequence of bullet holes on glass? Enlist different types of soil available in India. Give the forensic significance of Seal. What do you mean by Yarn? Write down the composition of Portland cement. Define Mortar. Give the preliminary examination for tempered identification mark. Define f-Pattern. Explain Vocal Cord. 		
Q-3(A) Write a short note on Types of Glass. (B) Give the chemical examination of Soil based on Density Methods. OR	(06) (06)	
(B) Explain in detail 'Soil Profile'.	(06)	
Q-4(A) Explain in detail Examination of Paint.	(06)	
(B) Write a short note on types of Tool Marks.	(06) (06)	
OR (B) Describe the methods used for manufacturing Counterfeit Coins.	(06)	
Q-5(A) Explain the different types of Cement in details.	(06)	
(B) Give the test for examining quality of Cement	(06)	
OR (B) Write down the Etching Methods for different surfaces (Any 3). i) Steel ii) Lead iii) Wood iv) Auto rickshaw Engine	(06)	
Q-6(A) Describe in detail Source Filter Theory.	(06)	
(B) Explain the Instrumentation of Sound Spectrogram.	(06)	
OR (B) Write a short note on i) Handling and processing of audio recording evidences ii) Speaker Recognition	(03) (03)	



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