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SEAT No. _____

No. of Printed Pages : 03

SARDAR PATEL UNIVERSITY
M.Sc. Semester -II (Forensic Science) Examination
Monday, 10th April, 2017.
10:00 a.m. to 1:00 p.m.
PS02CFSC01: FINGERPRINTS & LAW (Criminal Justice System)

TOTAL MARKS: 70

Q.1 Tick mark / select the correct answer for the following. (Students need to write correct option as well as correct answer / answers for MCQ's in their answer sheet) (08 Marks)

- 1) The first textbook on the subject of fingerprints is written by _____.
 - a) Henry Fauld
 - b) William Herschel
 - c) Alphonse Bertillion
 - d) Francis Galton
- 2) One way to preserve the identity of document is through use of _____.
 - a) Fingerprint
 - b) Thumb print
 - c) Biometric
 - d) X-Ray
- 3) Fingerprint pattern may be impaired permanently in cases of _____.
 - a) Eczema
 - b) Scalds
 - c) Leprosy
 - d) Scabies
- 4) _____ is said to have fingerprints virtually indistinguishable from those of human beings.
 - a) Panda
 - b) Koala
 - c) Raccoon
 - d) Lemur
- 5) Culpable homicide is _____ serious than murder.
 - a) More
 - b) Equally
 - c) Less
 - d) Not applicable
- 6) Technique for visualizing latent fingerprints on non-porous surfaces by exposing them to cyanoacrylate vapors is _____.
 - a) Cyanoacrylate ester fuming
 - b) Laser illumination
 - c) Iodine fuming
 - d) Ninhydrin
- 7) The function of ridges on our fingers is _____.
 - a) Create fingerprint
 - b) Identify individual
 - c) Grasp objects
 - d) Provide protection to the tissues
- 8) Voluntary obstruction as such to prevent the person from processing in any direction in which he has right to proceed is.
 - a) Confinement
 - b) Wrongful restraint
 - c) Restraint
 - d) Wrongful confinement

- Q.2** Answer any seven from the following: **14**
- State the composition of fingerprint powder?
 - Explain Edgeoscopy?
 - What is Ridge Counting?
 - Define Environmental Pollution and state its types.
 - Explain Secondary Ridges.
 - What is the importance of taking rolled and plain fingerprints?
 - What is the use of Explosives Act?
 - Give the contribution of Dr. Francis Galton and Dr. Henry Faulds.
 - Explain Single Digit Classification?

- Q.3** (A) Give fundamental principles and importance of fingerprints **6**
- (B) Trace the following ridges in fingerprints and explain ridge tracing. **6**



A B C
OR

- (B) Write a Short note: Taking Fingerprints from dead person. **6**

- Q.4** (A) Write a short note on various types of ridge characteristics. **6**
- (B) Give difference between porous, nonporous & semi porous surface prints and explain any two chemical methods of development. **6**

OR

- (B) Explain in detail visible, latent and plastic prints and how to collect them from crime scene? **6**

- Q.5** (A) Classify the given examples up to final classification. **3**

(i)

W ¹	U ⁶	U ³	W ⁰	W ¹
W ⁰	W ^M	U ³	U ²	W ⁰

3

(ii)

Missing	U ⁹	U ¹²	W	U ⁶
U ¹⁹	U ⁸	U ¹⁰	W	U ⁷

3

- (B) Write a short note on secondary and final classification **6**

OR

- (B) Explain primary classification. **6**

- Q.6 (A)** The accused intoxicated a woman with a drug and sexually assaulted her with her consent while she was still under the effect of drug. Can the woman plead for Justice under Section 375 and Section 376 of Indian Penal Code (IPC)? **6**
- (B)** A meets Z on the highway. A threatens to kill Z unless, Z surrenders his purse. A commits extortion since he puts fear of instant hurt, and being at the time of committing the extortion. But the police files a case of robbery. Support your answer by agreeing with the police. **6**
- OR**
- (B)** Write a short note on Narcotic Drugs and Psychotropic Substances Act, 1985 **6**

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SARDAR PATEL UNIVERSITY

M.Sc. Semester –II (Forensic Science) Examination

SATURDAY, 15th, APRIL, 2017

PS02CFSC03: FORENSIC BALLISTICS

TIME- 10.00AM - 01.00PM

TOTAL MARKS- 70

Instructions:

1. Answer of all the questions (including multiple choice questions) should be written in the provided answer book only.
2. All the questions are compulsory.
3. Figures to the right indicate maximum marks of the questions.

Q-1 Multiple Choice Questions:

(8)

1. _____ Part of gun brings a cartridge into firing chamber and can leave scratches on the cartridge case.
(a) Extractor (b) Ejector
(c) Breech lock (d) Safety
2. _____ is a type of long gun which fires bullet.
(a) Shotgun (b) Pistol
(c) Revolver (d) Rifle
3. A complete unfired unit consisting of a bullet, primer, cartridge case and gunpowder is known as _____.
(a) Projectile (b) Cartridge
(c) Firearm (d) Slug
4. A single bullet in a shotgun shell is _____.
(a) Shot (b) Slug
(c) Gauge (d) Bore
5. _____ Firearm propels projectiles less than one inch in diameter.
(a) Artillery (b) Shoulder arm
(c) Small arm (d) Machine gun
6. The term use to indicate bore diameter measured from two opposite land is _____.
(a) Gauge (b) Measurement
(c) Rifling (d) Caliber
7. _____ is the entry of the bullet on the target.
(a) Pull of gravity (b) Air resistance
(c) Penetration (d) Velocity
8. _____ is the sound created at the muzzle end of the gun barrel after explosion.
(a) Muzzle energy (b) Trajectory
(c) Range (d) Muzzle blast

Q-2 Answer in Brief: (Attempt Any Seven)

(14)

1. What is the difference between shotgun and rifle wound?
2. State the three main parts of IBIS.
3. What do you understand by the term 'Ammunition'?
4. Enlist shotgun projectiles.
5. Give the composition of smokeless powder in GSR.
6. Explain match lock guns.
7. What is Spin?
8. Explain charring.
9. Define the term Terminal ballistics.

Q-3(A) Explain the action mechanism of rifle. (06)

(B) Short note on: Nitrocellulose compound. (06)

OR

(B) Draw and explain the constructional features of shotgun cartridge. (06)

Q-4(A) Explain in detail the terms used in Trajectory with the help of diagram. (06)

(B) Give the factors affecting Internal Ballistics. (06)

OR

(B) Explain classification of Cartridge Cases. (06)

Q-5(A) Write a short note on BDAS. (06)

(B) Give tests for GSR (Any 3) (06)

OR

(B) Explain collection of GSR. (06)

Q-6(A) How does Range, Angle of fire and Intermediate target affects the shotgun wound? (06)

(B) Explain Shotgun Wounds in case of different targets of body. (06)

OR

(B) Describe Wounding Effect in case of different rifle firearms. (06)

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SARDAR PATEL UNIVERSITY

M.Sc. Semester –II (Forensic Science) Examination

TUESDAY, 18TH APRIL, 2017

PS02EFSC02: CRIMINOLOGY

TIME- 10.00AM - 01.00PM

TOTAL MARKS- 70

Instructions:

1. Answer of all the questions (including multiple choice questions) should be written in the provided answer book only.
2. All the questions are compulsory.
3. Figures to the right indicate maximum marks of the questions.

Q-1 Multiple Choice Questions:

[8]

1. Penalization of Crime in India is done as per _____
(a) IPC (b) IEA
(c) Cr.PC (d) ICP
2. _____ school is concerned with the distribution of crime in certain areas.
(a) Cartographic (b) Geographic
(c) Mapping (d) Both (a) & (b)
3. A fundamental human right is said to be violated when punishments are dealt _____
(a) Arbitrarily (b) Unilaterally
(c) Quasi-Judicially (d) All of these
4. _____ Criminals are in economically privileged position.
(a) White Collar (b) Blue Collar
(c) Cyber (d) Money Laundering
5. _____ is an organized crime syndicate.
(a) Murder (b) Human Trafficking
(c) Theft (d) Homicide
6. The major cause of Biochemical Issues leading to crime is _____
(a) ADHD (b) PTSD
(c) Hormonal Imbalance (d) Genetic
7. Child Labor is prohibited in _____
(a) Cinder Picking (b) Slaughter houses
(c) Soldering Process (d) Both (a) & (b)
8. _____ Sheldon gave the theory of Somatotype.
(a) Sydney (b) Roger
(c) William (d) Wilson

Q-2 Answer in Brief: (Attempt Any 7)

[14]

1. How is Intention different from Motives?
2. State the basic Ideology of Classical School of Criminology.
3. Define Phrenology.
4. What do you understand by Cyber Syndicate?
5. Explain Cyber Crime.
6. Define Sin.
7. State the Temperaments of Ectomorphs.
8. Explain Chivalry Hypothesis.
9. Define the term 'Neglected Children'.

Q-3(A) Explain in detail Costs of Crime.

(06)

(B) Differentiate between Sin and Crime.

(06)

OR

(B) Write a short note on Crime in India.

(06)

Q-4(A) Describe in detail about Neo-Classical Schools.

(06)

(B) Explain Biological Determinism.

(06)

OR

(B) Differentiate between the Biosocial Theory of Genes and Neurology.

(06)

Q-5(A) Explain the Rights of Children.

(06)

(B) Write a short note on Fundamental Rights as per Constitution of India.

(06)

OR

(B) Explain the SC/ST Prevention of Atrocities Act.

(06)

Q-6(A) Write a short note on Cyber Crimes.

(06)

(B) Elaborate Victimless Crimes in Detail. Explain any one example.

(06)

OR

(B) Describe Masculinity Hypothesis in detail.

(06)