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SEAT No. \_\_\_\_\_

No. of Printed Pages : 2

**SARDAR PATEL UNIVERSITY**  
**B.Sc. (Semester-III) Examination**  
**Monday, 3<sup>rd</sup> December-2018**  
**US03EFSC01: Fundamental of Forensic Science**

**TIME-02:00 PM – 4:00 PM**

**TOTAL MARKS-70**

**Instructions:**

1. Figures to the right indicate maximum marks of the questions.

**Q-1 Multiple Choice Questions:**

**(10)**

1. Inspector is in charge of \_\_\_\_\_.  
(a) Bigger District (b) Sub-division of district  
(c) Police Station (d) District
2. The head of police force in a state is \_\_\_\_\_.  
(a) IGP (b) DGP  
(c) SP (d) SSP
3. Section 320 defines \_\_\_\_\_.  
(a) Grievous hurt (b) Simple hurt  
(c) Murder (d) Kidnapping
4. The hole through which base light reaches stage is known as \_\_\_\_\_.  
(a) Illuminator (b) Aperture  
(c) Iris (d) Condenser
5. \_\_\_\_\_ is the example of radiation source of visible region.  
(a) Deuterium lamp (b) Xenon lamp  
(c) Carbon arc lamp (d) Mercury arc lamp
6. The full form of Rf is \_\_\_\_\_.  
(a) Relational factor (b) Rotational factor  
(c) Retardation factor (d) Retardation file
7. The part through which the bullet or projectile travels when fired is \_\_\_\_\_.  
(a) Barrel (b) Grip  
(c) Muzzle (d) Bore
8. \_\_\_\_\_ is the father of Ballistics.  
(a) Calvin Goddard (b) William Henry  
(c) Alphonse Bertillon (d) Edmond
9. Positive human rights include \_\_\_\_\_ type of right.  
(a) Right to legal equality (b) Right to freedom  
(c) Freedom of speech (d) Freedom of movement
10. The scientific study of victimization, including the relation of victim and offender is called \_\_\_\_\_.  
(a) Victimology (b) Typology  
(c) Criminology (d) Demology

(4)

(P.T.O)

**Q-2 Answer in Brief: (Any Ten)**

**(20)**

1. Draw the flow chart showing the structure of court in India.
2. Give the full form of (a) CrPc (b) IEA
3. Explain any five roles of police at the crime scene.
4. Define Gratings.
5. Define Lambert's law and give its equation.
6. Write the forensic significance of Thin Layer Chromatography
7. Define shotgun and its uses.
8. Write the advantages of Rifling.
9. Who is child labour ?
10. Explain Protection of certain rights regarding freedom of speech.
11. Explain any two types of Victimology.
12. Define Victimology.

- Q-3 (A) Draw the flow chart showing the structure of police system in India. (05)**  
**(B) Give the difference between Murder and Culpable Homicide. (05)**

**OR**

- (A) Write a short note on Modus Operandi Bureau. (05)**  
**(B) Explain the structure of court in India. (05)**

- Q-4 Explain types of Paper Chromatography. (10)**

**OR**

**Explain in detail Comparison Microscope. (10)**

- Q-5 (A) Write detail classification of Short Gun. (05)**  
**(B) Give classification of bullets according to various characteristics. (05)**

**OR**

- (A) Explain various parts of gun with diagram. (05)**  
**(B) Write Forensic significance of ballistics. (05)**

- Q-6 (A) Explain Scope of Victimology. (05)**  
**(B) Explain types of Victimology. (05)**

**OR**

- (A) Explain demographic characteristics of Victim. (05)**  
**(B) Write about the history of Human Rights. (05)**

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