

Q.P. Code : 01378

[Time: 2 $\frac{1}{2}$ Hours]

[Marks:60]

Please check whether you have got the right question paper.

- N.B:
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Draw neat and labelled diagrams where necessary.
 4. Give case study and legal section wherever necessary.

- Q. 1 Answer **Any Two** of the following. (12)
- a) Explain in detail about GSR and its collection procedure.
 - b) Describe about Internal Ballistic, write a short note on problem of Heat and Pressure.
 - c) Give in detail about tool and techniques used for GSR examination and analysis.
- Q. 2 Answer **Any Two** of the following. (12)
- a) Write in detail about the procedure of firearm-linkage.
 - b) Describe the procedure for recovery of Test Bullets.
 - c) Explain the complete procedure for Bullet to Bullet linkage examination.
- Q. 3 Answer **Any Two** of the following. (12)
- a) Describe in detail about Hidden Explosive and their in investigation.
 - b) What are Non-Explosive Explosions? Explain it with suitable examples.
 - c) Explain Explosive Devices. Describe explosive train with suitable diagrams.
- Q. 4 Answer **Any Two** of the following. (12)
- a) Write about the importance and nature of Fire and Arson cases with reference to legal aspect.
 - b) Explain the procedure for collection and handling of exhibits from Fire and Arson scene.
 - c) Describe various tools and technique used for the analysis of Fire and Anson cases.
- Q. 5 Write short notes on **Any Four** of the following (12)
- a) Problem of Vibrations
 - b) Marks on Cartridge Case
 - c) Different between Low and High Explosive
 - d) Booby Trap's
 - e) Arson Motives
 - f) Fire Chemistry