

- Q.1 Answer **ANY TWO** of the followings. 20
- a. Define 3D footwear impression casting. Why is it important? What are the qualities of casting materials? Explain different types of casting materials.
 - b. Explain the formation of footwear impression. What is general crime scene procedure?
 - c. Explain methods of casting with dental stone.
- Q.2 Answer **ANY TWO** of the followings. 20
- a. Explain common terms used in microscopy.
 - b. Explain construction and various parts of compound microscope.
 - c. Explain construction and various parts of comparison microscope.
- Q.3 Answer **ANY TWO** of the followings. 20
- a. Explain physical properties of materials.
 - b. Explain comparison of glass fragments.
 - C. Explain forensic examination of soil. What are the variations of soil?
- Q.4 Write down a short note on the followings (**ANY THREE**). 15
- a. The vacuum box
 - b. Gelatin lifters
 - c. Applications of polarized microscope
 - d. Properties of compound microscope
 - e. Significance of soil
 - f. Collection and preservation of paint evidence
