

Ques.1 Answer the following questions:

- i. Explain Somatoscopy Technique in detail. Mention the charts. 7Marks
- ii. How to determine stature amongst the population? 7Marks

OR

- i. How to distinguish between human and non-human skeletal remains? 7Marks
- ii. Explain Portrait Parley and its use in crime investigation. 7Marks

Ques.2 Answer the following questions:

- i. Explain in detail on Videographic superimposition technique in personal identification. 7Marks
- ii. Describe the anatomy and structure of human teeth with a labelled diagram and discuss how it aids in forensic examination. 7Marks

OR

- i. Evaluate the comparative reliability of Photographic and Roentgenographic superimposition. 7Marks
- ii. Explain Gustafson's formula in detail. 7Marks

Ques.3 Answer the following questions:

- i. Define somatic and molecular death and describe the physiological and biochemical changes associated with them. 7Marks
- ii. Compare rigor mortis, cadaveric spasm, and heat stiffening with suitable examples. 7Marks

OR

- i. Explain the mechanism and stages of cooling of the body after death (Algor mortis). 7Marks
- ii. Describe mummification — its process, conditions favoring it, and forensic importance. 7Marks

Ques.4 Answer the following questions:

- i. Discuss the differences between antemortem and postmortem injuries with suitable examples. 7Marks
- ii. Describe the postmortem findings in burn deaths and how to differentiate between antemortem and postmortem burns. 7Marks

OR

- i. Discuss the differences between incised and stab wounds with diagrams. 7Marks
- ii. Explain the medico-legal examination procedure in cases of sexual offences, including evidence collection, documentation, and ethical considerations. 7Marks

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Ques.5 Attempt any seven out of twelve.

14Marks

1. Which Somatoscopy charts are given for upper extremities?
2. True or false
 - a. In dead body stature reduces during the stage of rigor mortis.
 - b. Nuclear sexing is helpful in determining doubtful case of mutilated body.
3. Write down any four morphological features for the Determination of sex.
4. Write down the merits and demerits of Roentgenographic superimposition.
5. Write any two features used in identifying a person through tattoos.
6. List out the types of Videographic superimposition.
7. Define somatic death.
8. State any two factors affecting body cooling.
9. Write the usual time of onset of lividity after death.
10. Define a defence wound.
11. Define fabricated injury.
12. Mention two characteristic features of thermal burns.
