

TAMILNADU PUBLIC SERVICE COMMISSION
HALF YEARLY EXAMINATIONS AND LANGUAGE TESTS –
MAY - 2021

SCIENTIFIC AIDS TO INVESTIGATION
(FOR POLICE OFFICERS)

Time : 3 Hours

Maximum Marks : 80

(WITHOUT BOOKS)

1. Answer any TWO Questions. (2 × 10 = 20)
- (a) What are the differences between strangulation and hanging?
 - (b) Discuss about after effects of injuries in a person after dead?.
 - (c) What are Diatoms. Explain the identification methods of Diatoms and its specificity in drowning cases?
2. Answer the following ONE question: (1 × 20 = 20)
- (a) Explain Brain printing in detail what are all its importances. Discuss its advantages in detail.
- Or**
- (b) How does an investigator collect and process the evidentiary clues of a crime scene involved fire arms?
3. Define: (4 × 2½ = 10)
- (a) Truth serum
 - (b) Lie detector
 - (c) Hypnosis
 - (d) Forensic importance of Fiber evidence.

[Turn over

4. Answer the following question:

(1 × 10 = 10)

A Culprit leaves a footprint in a crime scene where he hides a dead body. Explain how to lift the foot print and give its evidentiary values?

5. Answer the following questions:

(2 × 10 = 20)

- (a) How can disputed paternity of a child be ascertained in sexual offences?
 - (b) What are the factors to be taken in to account in determining time of death?
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