

TAMILNADU PUBLIC SERVICE COMMISSION
HALF YEARLY EXAMINATIONS AND LANGUAGE TESTS –
OCTOBER - 2024

SCIENTIFIC AIDS TO INVESTIGATION
(FOR POLICE OFFICERS)

Time : 3 Hours

Maximum Marks : 100

(WITHOUT BOOKS)

1. Answer any TWO of the following : (2 × 10 = 20)
- (a) A partially burnt body of an unidentified woman was found in the rear seat of a burnt car. As an investigation officer, what are the material evidences you will preserve and what will be your line of investigation.
 - (b) What are the points to be considered in arriving at a decision to conduct Narco Analysis in Investigation of Crimes? What are the procedures to be followed to conduct Narco Analysis?
 - (c) How specimen hand writing has to be obtained for comparison?
2. Answer any THREE of the following : (3 × 10 = 30)
- (a) Explain about conducting searches at a Scene of Crime.
 - (b) Write about Packing and Transmission of Blood stains.
 - (c) How latent Finger prints developed? What are the powders, vapours and solutions used in developing latent Finger Prints?
 - (d) In a case of house breaking, detail the nature of clues you would look for at the SOC and on the suspect indicating how their scientific examination would be of assistance in the investigation?

[Turn over

3. Write short notes on any FOUR of the following : (4 × 5 = 20)
- (a) Locard's principle
 - (b) Infanticide
 - (c) DNA Finger Printing
 - (d) Dactyloscopy
 - (e) Cyber Crimes
4. Differentiate : (4 × 2 ½ = 10)
- (a) Anti-mortem wound and Post-mortem wound
 - (b) Tyre Mark and Skid mark
 - (c) Bullet entry wound and exit wound
 - (d) Burns and scalds
5. Enumerate the instructions for dealing with substances or objects suspected of being explosive. (1 × 20 = 20)
-