

**Jharkhand Public Service Commission**

**Medicine**

1. a. Circle of Willis and its forensic importance.  
b. Carotid triangle of neck.
2. a. Pressure abrasion.  
b. Accidental strangulation.
3. a. Colour changes of contusion.  
b. Various antidotes.
4. The case of death is due to poisoning but viscera chemical analysis report is negative. What are its forensic intricacies?
5. a. Dangerous injury.  
b. Perjury.
6. a. Define brain stem death  
b. Molecular death.
7. What is mitochondrial DNA? Write a note on its forensic importance.
8. What is embolism? How will you conduct postmortem in a suspected case of fat embolism?
9. How will you differentiate between human hair and animal hair? Discuss the medico-legal importance of hair.
10. Describe anatomy of female genital tract with a labeled diagram. How can you correlate this with the genital injuries sustained during sexual assault?