ST. JOSEPH'S COLLEGE (AUTONOMOUS), BENGALURU-27
B.Sc. BIOCHEMISTRY - IV SEMESTER
SEMESTER EXAMINATION: April 2022
(Examination conducted in July 2022)
BCHOE 420 – INTRODUCTION TO FORENSIC SCIENCE

Time- 1.5 hr   Max Marks- 35

This question paper contains two printed pages and two parts

PART- A

Answer any 15 questions in one word or one sentence, each question carries 1 mark

1 x 15 = 15

1. The term forensic is derived from which word?
2. Forensic ballistics deals with _____.
3. State Locard's principle of exchange.
4. What is testimonial evidence?
5. What is a poison?
6. Give one example for corrosive poison.
7. Give an example of universal antidote.
8. What is the purpose of adulterating food?
9. Name any one poisonous gas.
10. Name a reagent used for analysis of invisible biological evidence.
11. Give an example for a depressant.
12. Name the chemical used for the preservation of organs.
13. Expand on the acronym DNA.
14. Name any one source from which DNA can be extracted?
15. What are Spot tests?
16. Who is the father of DNA fingerprinting?
17. Heroine is an example of _____.

PART- B

Answer any 10 questions in one or two sentences or words, each question carries 2 mark   10 x 2 = 20

18. Write any two applications of Forensic science.
19. Name any two stages involved in crime scene investigation.
20. Draw a schematic diagram of any two searching methods used for the collection of evidences.
21. Name two types of light sources used during examination of invisible stains on garments.
22. Write the mechanism of action of toxins.
23. How would you do an analysis of sugar?
24. Describe Marquis Test.
25. Give any two examples of biological fluids.
26. Outline Takayama Test employed during analysis of blood.
27. What is algor mortis?
28. What is the principle of atomic absorption spectroscopy?
29. Draw a diagram of thin layer chromatogram and give the formula used to calculate retention factor.