

Reg. No.:



Name:

University of Kerala

U9331

Second Semester FYUGP Degree Examination, April 2025

Multi-Disciplinary course

PHYSICS

UK2MDCPHY103 - Foundations in Forensic Science

Academic Level: 100-199

Time: 1 Hour 30 Minutes(90 Mins.)

Max. Marks: 42

Part A. 6 Marks.Time:6 Minutes.(Cognitive Level:Remember(RE)/Understand(UN)) Objective Type. 1 Mark
Each.Answer all questions

Qn No.	Question	CL	CO
1	Recall Locard's exchange principle	RE	1
2	Name two basic principles of Forensic Science	RE	1
3	Compare physical evidence over confession and eyewitness accounts by victims or witnesses in criminal investigation	UN	1
4	Recognize any two systematic search patterns of crime scene	UN	2
5	List two types of physical evidence	UN	3
6	Infer the primary purpose of using the "taping" method in evidence collection	UN	4

Part B.8 Marks.Time:24 Minutes.(Cognitive Level:Understand(UN)/Apply(AP))Short Answer. 2 marks each.Answer all questions

Qn No.	Question	CL	CO
7	Explain the function of a toxicology unit	UN	1
8	Describe the duties of the first officer arriving on the crime scene	UN	2
9	Explain the difference between micro trace and physical evidence?	AP	4
10	Illustrate various individual and class characteristics with examples.	AP	3

Part C. 28 Marks.Time:60 Minutes (Cognitive Level:Apply(AP)/Analyse(AN)/Evaluate(EV)/Create(CR)) Long Answer.7 marks each.Answer all 4 Questions choosing among options * within each question

Qn No.	Question	CL	CO
11	A) A suspect claims that the forensic evidence collected at the crime scene has been contaminated. Explain the chain of custody and how it helps maintain the integrity of forensic evidence in court? OR B) Outline the basic Services provided by criminal laboratories	AP	2, 1
12	A) Analyse any four common types of physical evidence and its importance OR B) Relate the importance of identification and comparison in the examination of physical evidence	AN	3, 3
13	A) Reflect on 7 proper packaging modes in packing microtapes OR B) Assess the nature and evaluation of microtraces with glass as a specific trace	EV	4, 4
14	A) Formulate the cautions and limitations in dealing with physical evidence OR B) Write various steps involved in crime scene reconstruction	CR	3, 3

