



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESS WAY JABI, ABUJA**  
**FACULTY OF SOCIAL SCIENCES**  
**DEPARTMENT OF CRIMINOLOGY AND SECURITY STUDIES**  
**2024 1 EXAMINATION**

**COURSE TITLE: FORENSIC SCIENCE**  
**COURSE CODE: CSS 455**  
**CREDIT UNIT: 3**

**TIME ALLOWED 3: HOURS**

**INSTRUCTIONS: Answer any four questions**

1. Justify the use of forensic science in the administration of criminal justice system.17.5marks
2. Define jurisprudence and discuss its various types.17.5 marks
3. Carefully examine the social importance of fingerprint technology.17.5 marks
4. What are the effects of landmines on humanity?17.5 marks
5. Advance at least three (3) reasons why students engage in signature forgery.17.5 marks

Intervention projects are critical to solving emerging project needs in the society however some factors must be considered in finding a suitable location for them. Discuss five of these factors that influence the location of intervention projects.

**Total 15 Marks**

### QUESTION 5

As a Project Finance Analyst, you have been called upon by the Project Director to provide an analysis and give professional advice on the suitability of choosing between two projects. The details of the projects are shown below.

Our company must choose between two investments, Project A and Project B. It cannot undertake both investments. The expected cash flows for each project are:

Year	Project A	Project B
	₦	₦
0	(80,000)	(80,000)
1	20,000	60,000
2	36,000	24,000
3	36,000	2,000
4	17,000	-

The company has a policy that the maximum permissible payback period for an investment is three years and if a choice has to be made between two projects, the project with the earlier payback will be chosen.

You are required to:

(a) Calculate the payback period for each project:

(i) assuming that cash flows occur at that year end

**6 Marks**

(ii) assuming that cash flows after Year 0 occur at a constant rate throughout each year.

**6 marks**

(iii) Are the projects acceptable, according to the company's payback rule? Which project should be selected?

**3 Marks**

**Total 15 Marks**