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## NATIONAL OPEN UNIVERSITY OF NIGERIA FACULTY OF SOCIAL SCIENCES DEPARTMENT OF ECONOMICS 2023\_1 POP EXAMINATION

## COURSE TITLE: APPLIED ECONOMETRICS II COURSE CODE: ECO 454 UNITS: 2 TIME ALLOWED: 3 HOURS

## INSTRUCTION: ANSWER ANY THREE (3) QUESTIONS. ALL QUESTIONS CARRY EQUAL MARKS. ONE MARK FOR CLARITY

## **QUESTION 1**

i)	Outline the importance of Identification? 11 M	Iarks
ii)	Outline how identification determines the choice of econometrics techni	que 12 Marks
Given i) (ii)	TION 2 a sample size of n= 20, the consumption model was estimated to be: $\hat{C} = 100 + 0.89Y$ (75.5) (0.21) $R^2 = 0.78$ Test the reliability of the estimates of MPC(s(b <sub>1</sub> )) given a 5% level of si Provide economic interpretation of the consumption model in terms of 1 signs of the regression coefficients. the standard error is given in parentheses below the coefficients	11 Marks
•	TION 3 s the properties of ordinary least square estimators	23 Marks
-	TION 4 the necessary algebra, discuss the properties of two stage least squares	23 Marks

**QUESTION 5** 

Outline the prosperities of the instrumental variable	23 Marks