MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR
THIRD YEAR FIRST SEMESTER

SCHOOL OF SCIENCE
BACHELOR OF SCIENCE-STATISTICS

COURSE CODE: STAT 3132-1

COURSE TITLE: SOCIAL AND ECONOMICS STATISTICS

DATE: 15TH DECEMBER, 2022   **TIME: 1100-1300**

<u>**INSTRUCTIONS TO CANDIDATES**</u>

Answer Question **ONE** and any other **TWO**questions

*This paper consists of **four**printed pages. Please turn over*

QUESTION ONE

a) Describe the concepts of **social** and **economic** statistics highlighting the key components on each of the concept **(4 marks)**

b) Discuss briefly the various ways in which the GDP of a developing country can be measured **(6 marks)**

c) Given the prices of a commodity for six years, calculate fixed – based and chain – based indices (2010=100) **(6 marks)**

Year	2010	2011	2012	2013	2014	2015
Prices	4563	4245	4841	4644	5290	5166

d) Assume you are a loans officer of a bank and a customer requests a loan based on the following balance sheet. Conduct a ratio analysis and give your reasons for granting or denying an additional loan **(4 marks)**

Assets	Liabilities
Current assets sh. 40000	Current liabilities sh. 60000
Non-current assets sh. 240000	Non-current liabilities sh. 50000
	Total liabilities sh.110000
	Owners' equity sh.170000
Total assets Sh.280000	Total liab. Plus equitySh.280000

QUESTION TWO

a) Outline the format and structure of the income statement **(5 marks)**

b) The prices and quantity demanded of commodities A, B and C in the current and base year are given below (2010 =100)

2010			2020	
commodity	Price	Quantity	Price	Quantity
A	4	50	10	40
B	3	10	9	2
C	2	5	4	2

Construct Marshal Edge worth price and quantity indices **(10 marks)**

QUESTION THREE

a) Indicate how each of the following international transaction is entered into the Kenya Balance of Payments with double entry book –keeping.

A Kenyan firm imports sh. 50M worth of merchandise from a UK firm and agrees to pay after 3 months **(5 marks)**

b) A balance sheet is one of the tools used for financial statistics analysis. Use the following information of hypothetical company to prepare a balance sheet for the company as at 31. 12. 2008 **(10 marks)**

Capital on 1.1.08 500000
Net profit for 08 121300
Drawing during 08 72000
AFC loan payable 2006 150000
ICDC loan payable 2005 100000
Farm creditors 78400
Bank overdraft 22300
Premises 300000
Debtors 139000
Machinery 280000
Stock 115400
Motor vehicles 48000
Cash in hand 11000
Furniture and fittings16500

QUESTION FOUR

a) Describe in details the three key accounts involved in Balance of Payments

(9 marks)

b) Discuss the following

    i.   Three uses of index numbers (3 marks)

   ii.   Three measures of dealing with Balance of Payments deficits **(3 marks)**

QUESTION FIVE

a) Describe National Accounts and enumerate the main components that comprise it **(4 marks)**

b) Explain why there are low levels of economic growth and development in developing countries **(5 marks)**

c) Outline how each of the following may contribute to the economic growth and development in developing countries

    i.   Domestic economic governance and transparency   **(3 marks)**

   ii.   Activities of commercial banks and non-bank financial institutions

(3 marks)

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