UGANDA MARTYRS UNIVERSITY
NKOZI

UNIVERSITY EXAMINATIONS

FACULTY OF SCIENCE

DAPARTMENT OF ECONOMICS

SUPPLEMENTARY EXAMINATIONS, 2014/15

Research Methodology II

COC 2101

DATE: Wednesday, August 05, 2015

TIME: 10:00AM – 01:00PM

Instructions:

1. Answer any **FOUR** questions
2. Do not write anything on the questions paper.
3. Carefully read through **ALL** the questions before attempting.
4. No **names** should be written anywhere on the examination book.
5. Ensure your work is **clear** and **readable**. Untidy work shall be penalized.
6. Any type of examination Malpractice will lead to automatic disqualification.
7. Ensure that your **ID number** is indicated on all pages of the examination answer booklet.

Question One

As a Development Research Economist (DRE), you have been presented with extracts of *Stata 13.1* data output as shown in the tables below. Study them carefully and answer the following questions.

(a) Explain the results presented in *Table 1.2*, including the Pearson Chi Square value and its corresponding probability. **(12Marks)**

(b) Present a detailed analysis and interpretation of results presented in *Table 1.3*. **(13Marks)**

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. *Table 1.2*

. tab oildistrict urban, chi2
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Albertine districts	Rural/urban Rural	Urban	Total
0	3,867	1,680	5,547
1	1,080	269	1,349
Total	4,947	1,949	6,896

Pearson chi2(1) = 57.2867   Pr = 0.000

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. *Table 1.3*

. logistic urban oildistrict mult hh
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Logistic regression

Number of obs	=	6896
LR chi2(3)	=	1029.95
Prob > chi2	=	0.0000
Pseudo R2	=	0.1254

Log likelihood = -3591.0256

urban	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
oildistrict	2.29986	.2196365	8.72	0.000	1.907268	2.773263
mult	.9997277	.0000533	-5.11	0.000	.9996232	.9998322
hh	.9999503	1.84e-06	-27.00	0.000	.9999467	.999954
_cons	2.414667	.1923384	11.07	0.000	2.065643	2.822663

Question Two

(a) Define the term **research problem** and give the importance of its formulation? (05Marks)

(b) When selecting a research problem / topic there are a number of considerations to keep in mind which will help to ensure that your study will be manageable and that you remain motivated. Explain what the researcher must consider when selecting a research problem. (10Marks)

(c) Every step that that constitutes the *how* part of the research journey depends upon the way you formulated the research problem. Examine the steps followed in formulation of the research problem. (10Marks)

Question Three

(a) By use of examples, distinguish between a concept and a variable? (04Marks)

(b) Examine the categorical classification of the different types of measurement scales. (12Marks)

(c) There are a number of considerations to keep in mind when constructing a hypothesis, as they are important for valid verification. Discuss the attributes / characteristics that make it easier for the researcher to ascertain the validity of a hypothesis. (09Marks)

Question Four

(a) Explain the two methods used to ensure that extraneous variables have a similar effect on control and experimental groups and two methods for eliminating extraneous variables. (07Marks)

(b) Clearly explain the difference between the following study designs, with illustration(s)
  (i)   Retrospective study design and Prospective study design. (06Marks)
  (ii)   Cross sectional study design and longitudinal study design. (06Marks)
  (iii) Experimental study design and Semi-experimental study design . (06Marks)

Question Five

(a) The choice between a questionnaire and an interview schedule is important and should be considered thoroughly as the strength and weaknesses of the two methods can affect the validity of the findings. Explain the criteria upon which the selection of an interview schedule and a questionnaire should be based. (05Marks)

(b) Observation as a method of data collection may suffer from a number of problems. Explain four (04) problems associated with using observation as a method of data collection. (08Marks)

(c) Discuss the advantages and disadvantages of using an interview as a method of data collection. (12Marks)

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Question Six

(a) State five (05) of the qualities of a good research report. **(05Marks)**

(b) In a bid to mitigate its credit risk, CERUDEB Kayabwe branch is planning to carry out a study on the causes of loan default among its clients in Nkozi Sub County. The bank can access only 5000 of its clients. Determine the appropriate sample size the bank should use if the desired level of significance is 5%. **(05Marks)**

(c) As a student of research methodology preparing to write a research report. Describe what should contain in each of the five main chapters of a dissertation as an academic research product. **(15Marks)**

......................Good Luck......................