

Faculty of Applied and Health Sciences

DEPARTMENT OF PURE AND APPLIED SCIENCES

DIPLOMA IN ANALYTICAL CHEMISTRY (DAC 12S)

AAB 2204: RESEARCH METHODS

SEMESTER: EXAMINATIONS

SERIES: DECEMBER 2013

TIME: 2 HOURS

INSTRUCTIONS:

You should have the following for this paper

- Answer booklet

This paper consists of FIVE questions.

Answer Question ONE (compulsory) and any other TWO questions

This paper consists of 2 PRINTED pages

Question ONE

a)	Define the following terms	
	(i) Population	(2marks)
	(ii) Data	(2marks)
b)	List down FOUR sources of knowledge	(4marks)
c)	Give FOUR qualities of a good research proposal	(4marks)
d)	Name THREE packages for statistical analysis	(3marks)
e)	Name FOUR sources of literature review	(4marks)
f)	Explain TWO sources of primary data	(4marks)
g)	Name the THREE chapters of a research proposal	(3marks)
h)	Explain TWO advantages and TWO disadvantages of closed ended questionnair	e (4marks)
Quest	ion TWO	
a)	Outline FIVE reasons for writing a research proposal	(5marks)
b)	Discuss the mandatory components of a good research proposal	(10marks)
Ouest	ion THREE	
a)	Explain how the following sampling methods are done	
_		(5marks)
_	Explain how the following sampling methods are done	(5marks) (5marks)
a)	Explain how the following sampling methods are done (i) Snowball	•
a) b)	Explain how the following sampling methods are done (i) Snowball (ii) Stratified randowm sampling	(5marks)
a) b)	Explain how the following sampling methods are done (i) Snowball (ii) Stratified randowm sampling Explain experimental research design	(5marks)
a) b) Quest	Explain how the following sampling methods are done (i) Snowball (ii) Stratified randowm sampling Explain experimental research design ion FOUR	(5marks) (5marks)
a) Quest a) b)	Explain how the following sampling methods are done (i) Snowball (ii) Stratified randowm sampling Explain experimental research design ion FOUR Explain FOUR methods of data collection	(5marks) (5marks)
a) Quest a) b)	Explain how the following sampling methods are done (i) Snowball (ii) Stratified randowm sampling Explain experimental research design ion FOUR Explain FOUR methods of data collection Explain the importance of literature review	(5marks) (5marks)