

TECHNICAL UNIVERSITY OF MOMBASA

Faculty of applied and health sciences

DEPARTMENT OF PURE AND APPLIED SCINCES UNIVERSITY EXAMINATION FOR:

DIPLOMA IN ANALYTICAL CHEMISTRY (DAC14S) AAB 2204 RESARCH METHODS

END OF SEMESTER EXAMINATION

SERIES: April 2016 PAPER-B

TIME:2HOURS

DATE:MAY2016

Instructions to Candidates

You should have the following for this examination *-Answer Booklet, examination pass and student ID* This paper consists of Choose No questions. AttemptChoose instruction. **Do not write on the question paper.**

Question ONE

a) Outline FOUR sources of literature review		4 marks
b) List statistical packages of analyzing data		4 marks
c) Name components of a research proposal		4 marks
d) List FOUR criteria needed to be specified to determine appropriate the samples size		4 marks
e) Explain FOUR purposes of research		4 marks
f) State FOUR Advantages of sampling		4 marks
g)List FOUR methods of data collection		4 marks
h) State the choice of judgmental sampling		2 marks
Question TWO		
(a)Explain the probability sampling techniques for the following:		
(i)Simple random	7 marks	
(ii)Stratified random	8 marks	

Question THREE

(a)Outline the advantages of true experimental design	7 marks
(b)Describe typical quantitative data gathering strategies	8 marks
Question FOUR	
(a)Explain the purpose of literature review	8 marks
(b)Outline the advantages of research questionnaires	7 marks

Question FIVE

(a)Explain the details included in the covering letter of the questionnaire(b)Discuss conditions which lead to the use of Non-probability sampling7 marks