

**KL University**  
**Pre-Ph.D Examination**  
**Research Methodology**  
**[COMMON TO MANAGEMENT & COMMERCE]**  
**Model Paper**

Time allotted: 3 hours.

Maximum Marks:100

**Answer any *five* questions, Each question carries *twenty* marks (5 x 20 =100).**

1. a) Define Research and explain how qualitative research differs from quantitative research.  
b) What is a research problem? Define the main issues which should receive the attention of the researcher in formulating the research problem. Give suitable examples to support your answer.
2. a) Describe some of the important research designs used in experimental hypothesis testing research study.  
b) What is meant by measurement in research ? What difference does it make whether we measure in terms of nominal, ordinal, interval or ratio scale ? Explain giving examples.
3. a) If you are conducting an interview survey of around 500 respondents in Hyderabad, what type of probability sampling you choose and why?  
b) What is Likert's Scale ? Why it is used? How to construct it ? Explain.
4. a) What is the purpose of a questionnaire ? Why are closed questions are preferred to open ended questions in survey research ?  
b) What is the role of SPSS in data analysis?
5. a) What is meant by processing of data? What are the various steps in data processing?  
b) What is Logistic Regression? When is it used ? Describe the syntax of logistic regression in SPSS.
6. a) What is meant by testing of hypothesis? Draw a flow chart for executing hypothesis testing procedure with a suitable example.  
b) What are the various components of a time series data ? Explain a technique for smoothing time series data.
7. a) As per theory the proportion of beans, in the four groups A,B,C, D should be 9:3:3:1. In an experiment among 1600 beans, the number in the four groups were 882, 313,287 and 118. Does the experimental result support the theory? Apply  $\chi^2$  test .  
b) A sample of 400 males is found to have a mean height of 67.47 inches. Can it be reasonably regarded as a sample from a large population with a mean height of 67.39 inches and S.D of 1.3 inches ? . Test at 5% level of significance.
8. a) Develop the management-research question hierarchy, citing management dilemma, management question and research questions, citing some examples.  
b) Suggest a research strategy for identifying the employee motivating factors in a MNC.

# Lick Guestion Paper Of Matric Mathethic

**Arminius Albertus Archer, Gideon De  
Villiers**

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**The University correspondent and University correspondence college magazine (and The Educational review).**  
,1891 **The Reference Catalogue of Current Literature** , Mathematics Papers: Matriculation Examination

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*Mathematics. Higher Specimen Question Papers and Marking Instructions* Scottish Qualifications Authority,1998 Sqa Specimen Paper 2014 Past Paper National 5 Lifeskills Mathematics Sqa (Hodder Ed),2014-09-26 **Matric Solutions** Charles Melzer,South Africa. Department of Education and Training,1990 **Mathematics Standard Level** ,2007

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