

**1<sup>ST</sup> SEM, 2009/2010**



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**UNIVERSITY OF SWAZILAND**

**FINAL EXAMINATION PAPER**

**PROGRAMME : BACHELOR OF SCIENCE IN FOOD  
SCIENCE NUTRITION AND TECHNOLOGY,  
HOME ECONOMICS, HOME ECONOMICS  
EDUCATION AND TEXTILE APPAREL  
DESIGN AND MANAGEMENT YEAR III**

**COURSE CODE : HE 301**

**TITLE OF PAPER : RESEARCH METHODS**

**TIME ALLOWED : TWO (2) HOURS**

**INSTRUCTIONS : ANSWER QUESTION 1 AND ANY OTHER  
TWO QUESTIONS.**

**THIS PAPER IS NOT TO BE OPENED UNTIL PERMISSION TO DO SO HAS  
BEEN GRANTED BY THE INVIGILATOR.**

**QUESTION 1 (COMPULSORY)**

- (a) Describe the two main types of research (4)
- (b) In a tabular form indicate three (3) non-experimental designs, three (3) qualitative designs and three (3) experimental designs, and explain how each can be described in terms of the:
- i) purpose
  - ii) time frame
  - iii) degree of control over factors/variables, and

9 X 4 = (36)

[Total marks = 40]

**QUESTION 2****A. Choose the incorrect answer**

- (a) Reliability measures the following:
- i) consistency of responses from respondents on the instrument
  - ii) content validity
  - iii) repeated measures on a statement should be more or less the same
  - iv) stable responses on an instrument over time
- (b) Quantitative research approach has the following characteristics related to the nature of the research process:
- i) focused
  - ii) unknown variables
  - iii) has static design
  - iv) context free
- (c) A Qualitative research approach
- i) explores and interprets
  - ii) is informative
  - iii) uses inductive reasoning/analysis
  - iv) tests theory
- (d) A well written hypothesis should have the following:
- i) be stated in a declarative & clear form
  - ii) show relationship between variables
  - iii) should not reflect theory or body of literature.
  - iv) be testable.
- (e) In writing the background of your research project/proposal, do the following:
- i) Always start with a quotation.
  - ii) Review some relevant research publication first, and then state why the problem is of importance.

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- iii) State what contribution will be made by the completed study.
- iv) Write a clear, coherent background that stimulates the reader's interest.

3 X 5 = (15)

- B. What is a purpose of the study; from the following list, select 7 verbs that would be suitable for use in objectives and 7 suitable for writing a purpose:

Analyze	Explore	Describe
Choose	investigate	Determine
Evaluate	Develop	Assess
Compare	Compute	Validate
Discriminate	Formulate	

(15)

**[Total marks = 30]**

**QUESTION 3**

- (a) Using 3 probability sampling methods and 2 no-probability sampling method, state when to use them, their advantages and disadvantages.  
(10)
- (b) Write a problem statement for a project you think it is worth researching on.  
(10)

**[Total marks = 30]**

**QUESTION 4**

- (a) College students on campus have a problem in managing their living allowances. Write 3 objectives and a justification you would have to conduct a study with the above problem.  
(10)
- (b) Briefly describe the three (3) scales that can be used when collecting data in our discipline. Include where they can be used, and give an example for each, showing how the scale looks like in reality.  
(15)
- (c) What five (5) tools are available to review literature?  
(5)

**[Total marks = 30]**