

Course Code: DAE 115 (S) 2015

UNIVERSITY OF SWAZILAND

DEPARTMENT OF ADULT EDUCATION

PART-TIME DIPLOMA IN ADULT EDUCATION YEAR 1

SUPPLEMENTARY EXAMINATION, JULY 2015

TITLE OF PAPER : INTRODUCTION TO RESEARCH

COURSE CODE : DAE 115

TIME ALLOWED : TWO (2) HOURS

INSTRUCTIONS :

- 1. ANSWER ALL QUESTIONS FROM SECTION A.**
- 2. ANSWER ANY THREE QUESTIONS FROM SECTION B.**
- 3. ALL QUESTIONS IN SECTION B CARRY EQUAL MARKS.**

THIS PAPER IS NOT TO BE OPENED UNTIL PERMISSION HAS BEEN GRANTED.

SECTION A: COMPULSORY

INSTRUCTIONS: Answer all questions.

QUESTION 1

Which of the following is defined as an organised body of concepts and principles intended to explain a particular phenomenon?

- a) Theory
- b) Inference
- c) Hypothesis
- d) Interpretation

(2 marks)

QUESTION 2

_____ refers to whether a measurement device actually measures what it is intended to measure

- (a) validity
- (b) reliability
- (c) accountability
- (d) robustness

(2 marks)

QUESTION 3

Which of the following represents a research hypothesis?

- (a) Class A high school basket ball team who employ a sports psychologist will have a higher proportion of wins over the course of the season than comparable teams who do not employ a sports psychologist.
- (b) There will be no difference in rate of skill improvement between college gymnasts who practice meditation and those who do not.
- (c) Does incorporating relaxation exercises into daily practice routine of College vocal majors enhance their performance confidence?
- (d) None of the above.

(2 marks)

QUESTION 4

Paul Dlamini, a Political Science student, wants to determine whether rates of voter participation in his home region vary between rural, urban, and sub-urban voters. He notes that there are more rural voters, than sub-urban or urban voters in the region. Paul should use _____ in this study.

- (a) simple random sampling
 - (b) cluster sampling
 - (c) proportional stratified sampling
 - (d) systematic sampling
- (2 marks)

QUESTION 5

Simon Bhembe wants to know what the audience thought of tonight's advanced screening of a heralded psychological thriller called "I can't sleep". He and his research assistants stand outside the theatre exit and ask every fifth person leaving the theatre to answer several questions about their impression of the movie. Simon is using:

- a) systematic sampling
 - b) stratified random sampling
 - c) convenience sampling
 - d) purposive sampling
- (2 marks)

QUESTION 6

John Dlamini wants to know the relationship between intrinsic motivation and course grade among Mathematics students. He contacts a local Professor who teaches several general education Mathematics classes and asks about the possibility of gathering data in her classes. John is using:

- (a) simple random sampling
 - (b) cluster sampling
 - (c) convenience sampling
 - (d) purposive sampling
- (2 marks)

QUESTION 7

"There will be differences in degree of mood elevation seen in depressed clients after receiving either cognitive-behavioural or psychoanalytic therapy". In this hypothesis, type of therapy is the:

- (a) dependent variable
 - (b) confounding variable
 - (c) independent variable
 - (d) constant
- (2 marks)

QUESTION 8

Formative evaluation is conducted:

- (a) before implementation of a project
 - (b) after the completion of a project
 - (c) during the implementation of a project
 - (d) after the termination of a project
- (2 marks)

QUESTION 9

In a participatory study the research problem is determined by the:

- (a) researcher
 - (b) donor
 - (c) community together with the researcher
 - (d) research assistants
- (2 marks)

QUESTION 10

Mention 5 purposes for conducting an evaluation of a programme or project.
(5 marks)

SECTION B

Answer ANY THREE Questions

QUESTION 11

What is the difference between simple random sampling and stratified random sampling?
When is each technique used?
(25 marks)

QUESTION 12

Write explanatory notes on the following:

- a) Convenience sampling
 - b) Summative evaluation
 - c) Systematic sampling
 - d) Cluster sampling
- (25 marks)

QUESTION 13

What are the characteristics of participatory research and why is this approach more applicable to adult education than traditional research? (25 marks)

QUESTION 14

List in the correct order steps involved in drawing a sample from a target population. (25 marks)