



BOTSWANA COLLEGE OF DISTANCE AND OPEN LEARNING

BACHELOR OF EDUCATION – PRIMARY

RESEARCH METHODS IN EDUCATION

RME 212

SESSIONAL EXAMINATION

MARKS: 100

DURATION: 3HOURS

Instructions to students:

1. The examination consist of **Five Sections**: A, B, C, D, and E
2. Begin each answer to a new question on a new page
3. Answer all the questions according to instructions given in each section
4. Write answers in the answer booklet provided
5. Write in grammatical English

SECTION A - MULTIPLE- CHOICE (10)

Answer ALL questions in this section. Circle the correct answer.

1. “To investigate the relationship between salary and teacher motivation” is
 - a. A research problem
 - b. A hypothesis
 - c. A research question
 - d. An objective

2. Christina Hype Kgokgwe is an author of a journal article that was published in 2013 in the African Journal of Educational research. How should this author be cited at the beginning of the sentence using APA style?
 - a. C.H. Kgokgwe (2013)
 - b. Kgokgwe (2013)
 - c. (Kgokgwe, 2013)
 - d. Kgokgwe, C.H. (2013)

3. Searching for the truth is a definition for
 - a. Statement of the problem
 - b. An objective
 - c. Research problem
 - d. Research

4. “Does size of the school influence drug and substance abuse in boys?” The independent variable is
 - a. Drug and substance abuse
 - b. School influence
 - c. Size of the school
 - d. Substance abuse in boys

5. Using APA style, identify a reference of a book called “The introduction: The school teacher” published by Macmillan Botswana in 2014 in Gaborone. The author is Boipuso Peolwane.
- Peolwane, B. (2014). *The Introduction: The school teacher*. Macmillan Botswana: Gaborone
 - Peolwane, B. (2014). *The Introduction: The school teacher*. Macmillan Botswana: Gaborone.
 - Peolwane, B. (2014). *The Introduction: The school teacher*. Macmillan Botswana: Gaborone.
 - Peolwane, B. (2014). *The Introduction: The school teacher*. Gaborone: Macmillan Botswana
6. The number of times the number appears in a data set is called
- Frequency
 - mean
 - mode
 - median
7. A measure of the peakedness and sharpness of the central peak of a distribution is called
- kurtosis
 - skewness
 - mean
 - standard deviation
8. Which of the following statements is true about research using quantitative methods?
- Collecting data using a questionnaire
 - Investigating a research question
 - Communicating the results in a formal narrative manner
 - Use of in- depth interviews.

9. Mofefhi, M. J. & Bajaki, K. G. (2007). Effect of weather on sporting activities in young adults. *Human Development*, 22(3), 244-256. This is an example of a reference of a
- a) Book
 - b) Journal
 - c) Electronic source
 - d) Magazine
10. “ In depth study of a particular person” falls within a research method called
- a) Phenomenology
 - b) Grounded theory
 - c) Ethnography
 - d) Case study

SECTION B – MATCHING (10)

Answer ALL questions in this section

Match the options with its correct statement

	Statement	Options
1	A consent letter must be read and signed by the participant if they agree to take part in the study.	I. Quantitative data
2	There is no significant difference in mean score of boys and girls in social studies	II. Validity
3	It is commonly collected using a questionnaire	III. Internet source
4	The process whereby the researcher has is free to include anyone available in the study	IV. Nominal data
5	The Researcher spends time reading books, research articles and internet.	V. Positivism
6	The ability of an instrument to measure what it is intended to measure	VI. Literature review
7	Categories are not ranked but assigned numbers	VII. Null hypothesis
8	The process of selecting a section of a whole relevant population	VIII. Sampling
9	Mmegi (May, 2015). Retrieved from www.mmegi.org	IX. Research ethics
10	Use of principles and methods can be employed by natural scientist to observe and measure social phenomena.	X. Convenient sampling
		XI. Sampling technique

SECTION C – STRUCTURED

Answer ALL questions in this section

1. State an example of a research technique (1)

2. Outline two reasons for carrying out research (2)

3. Differentiate between probability and non- probability sampling (4)

4. Define ontology (1)

5. Explain the significance of the study (2)

6. What is reliability in research? (1)

7. Write down an example of the following:

a. research question (1)

b. research objective (1)

8. Describe research (1)

9. In a study, a researcher would like to establish a relationship between age of students and vandalism in primary school students. Write down the following:

a. Null hypothesis (2)

b. Alternate hypothesis (2)

SECTION D: CASE STUDY (20)

Answer ALL questions in this section

Read the research article attached '*Influence of Family Background on Academic Achievement of Secondary School Biology Students in Anambra State*', and answer the following questions.

1. State the purpose of the study (1)
2. What are the research question of the study(3)
3. State **three** independent variables that were manipulated in the study (3)
4. Which research method was used in the study? (1)
5. Where was the study carried out?(1)
6. What was the population of the study? (1)
7. What was the study sample(1)
8. How was the study sample selected?(3)
9. Which research design was used in the study? Justify your answer (3)
10. State the conclusion of the study
11. State one recommendation from the study

SECTION E -ESSAY (40) 20 marks each

Answer 2 questions in this section.

- a) There are two paradigms in research. Discuss the 5 differences between positivism and constructivism.
- b) Outline the steps to consider when attempting the literature review.
- c) Discuss any 5 research methods of your choice.