AMOUD UNIVERSITY
OFFICE OF THE
ACADEMIC
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AMOUD UNIVERSITY EXAMINATIONS
2018-2019, SEMESTER I EXAMINATIONS, JANUARY 2019

Examinations Paper

CANDIDATE’S NAME:

CANDIDATE’S NUMBER:

WRITE YOUR CORRECT NAMES AND REGISTRATION NUMBER

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<th>SCHOOL/FACULTY</th>
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BASIC INSTRUCTIONS TO CANDIDATES

1. Write your correct name and registration number in the space provided at the top.
2. Mobile phones are prohibited in the examination room.
3. If supplementary pages are used, they must be fastened together at the end of this examination paper.
4. Examination paper, whether used or unused, must not be removed from the examination room by the candidate.
5. Any communication of whatever kind must be made only through the invigilator.
6. The examination rules and regulations of Amoud University apply.
Instructions
I. This paper contains SIX (6) questions in three sections labelled Section A, Section B and Section C.
II. You are required to answer FOUR (4) questions in total.
III. Section A is compulsory. Answer ALL questions in section A.
IV. Section B contains three (3) questions. Answer only TWO (2) questions from section B.
V. Section C contains TWO (2) questions. Answer only ONE (1) question from Section C.
VI. You may start with any question.

SECTION A - (30 marks)
This section contains fifteen (15) questions, a - o. Answer ALL questions from this section in the spaces provided after each question. Each question carries TWO (2) marks.

Question 1 – Compulsory Question (Answer ALL questions)
a) Define research as a scientific term.

b) State to (2) reasons why the Research and Technical Writing course is important to your field of study.
c) Identify two (2) reasons why it is important to have a good background in a research.

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d) Research is a systematic process. Which of the following steps best describe the systematic approach to research? Circle the correct answer.
   A. Problem identification, problem definition, possible solutions, data collection.
   B. Problem identification, possible solutions, data collection, problem definition.
   C. Problem definition, possible solutions, data collection, problem identification.
   D. Problem identification, possible solutions, problem identification, data collection.

e) Differentiate between the independent variable and the dependent variable as used in research.

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f) State two (2) reasons why researchers prefer to use samples instead of population.

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g) The following are the basics steps in selecting a sample. Arrange them in order by indicating 1-4 in front of the step as appropriate.
   o Determine the sample size.
   o Define the population.
   o Determine the sampling method.
   o Develop a sampling frame.
h) State two (2) reasons why it is important for a researcher to state objectives in a research.

i) A book was written by Ali Osman Hassan and Hussien Hibbo Habon in 2017. Show two (2) ways in which the book can be cited in an academic document.


k) Identify two sources of a good research topic.

l) Define the term reliability as used in research.

m) Scientific research is empirical. Explain the meaning of this statement.
n) State two (2) reasons why literature review is important in research.

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o) State two (2) conditions under which you would use qualitative research design instead of a quantitative research design.

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SECTION B - (20 marks)
This section carries THREE (3) questions. Answer any TWO (2) questions.

Question 2 – (10 marks)
An important requirement in research is that a researcher must remain ethical throughout the research process.

a) Explain the concept of ethics as used in scientific research.  (2 marks)
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b) Identify four ethical issues that a researcher must take into account when carrying out a scientific research.  (2 marks)
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 c) Choose one (1) of the ethical issues you have identified in (b) above and explain how you can ensure that it is implemented in a scientific research process. (4 marks)
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d) Explain why it is important for a researcher to be ethical throughout the research process. (2 marks)

Question 3 – (10 marks)
A study population has 36 females and 24 males. A researcher wants to select a sample of 10 using stratified sampling method.

a) What is stratified sampling method? (2 marks)

b) Determine the number of males and females that the researcher will include in the sample. (3 marks)

c) Explain how the researcher will select the males in (b) above from the 24 males in the population. (3 marks)

d) State two (2) advantages of using stratified sampling method. (2 marks)
Question 4 – (10 marks)
The figure below represents the major elements of participatory action research (PAR). Study the figure and use it to answer the questions that follow.

![Diagram of participatory action research cycles](Image)

a) What is a participatory action research? (2 marks)
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b) With respect to the figure above, explain the major characteristics of a participatory action research. (4 marks)
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(c) With respect to the figure above, explain a participatory action research does not end. (2 marks)
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d) State two (2) advantages of the participatory action research. (2 marks)

SECTION C - (10 marks)
This section carries TWO (2) questions. Answer only ONE (1) question from this section. Each question carries ten (10) marks.

Question 5 (10 marks)
Discuss the four types of validity that are common in research.

Question 6 (10 marks)
Discuss the use of questionnaire as a data collection method.

The End