

## **INSTRUCTIONS**

4. As a student how can conducting research with your as a Major Science? [4 points]
5. If a student is reviewing literature to find gaps in Ghanaian folklore, the student is conducting research. [2 points]
6. Differentiate between basic and applied research [4 points]
7. Explain the following terms  
a) Primary research  
b) Secondary research  
c) Quantitative research  
d) Qualitative research
8. Which needs to be conducted first? Basic or Applied Research? Why? [3 points]

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8. Descriptive Research is conducted to: [3 points]

9. Modeling how deforestation will impact rainfall patterns in the year 2050 is an example of research. [2 points]

10. TWO differences between Qualitative and Quantitative research methods are: [4 points]

i. ....

ii. ....

List THREE types of qualitative research: [3 points]

the difference between experimental research and correlational research? [4 points]

**EXAMINER'S ANSWERS** (maximum of Applied Research) (page THREE) [7 points]

- (a) Write six steps in the conduct of Applied Research? [7 points]
1. Problem identification
  2. Literature review
  3. Hypothesis formulation
  4. Data collection
  5. Data analysis
  6. Report writing

(b) List the steps in conducting a scientific research? [7 points]

1. Problem identification
2. Literature review
3. Hypothesis formulation
4. Data collection
5. Data analysis
6. Report writing
7. Dissemination

(c) Every scientific research must begin with the identification of a problem. State **2** in which a research problem can be identified. [3 points]

1. In the field
2. In the laboratory

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13. What is a quasi-experimental research? [4 points]

14. Based on the following purpose of a study a higher Scientist wants to conduct, the research method he can use is \_\_\_\_\_ research. [4 points]

N

15. One key feature of Analytical Research is [3 points]

N

16. Why is research cyclical in nature? [3 points]

N

7. What is the Role of a Research Supervisor? [3 points]

N