


## Question 6

Correct

Mark 1 out of 1

 [Flag question](#)

The following functions of literature review EXCEPT

- a. helps to integrate your research findings into the existing body of knowledge.
- b. helps to establish the links between what you are proposing to examine and what has already been studied.
- c. provides a theoretical background to your study.
- d. review credible scholarly articles and materials 



GY


**Question 10**

Correct

Mark 1 out of 1

 [Flag question](#)

Research can be defined as

- a. Investigation of solutions to make life better
- b. How to find out about scientific issues around us
- c. Systematic investigation to find answers to a problem 
- d. Provides solutions to problems

**Question 11**

Correct

Mark 1 out of 1

 [Flag question](#)



GY



## articles and materials

**Question 7**

Correct

Mark 1 out of 1

[Flag question](#)

Formulating a research problem requires considerable knowledge of both

- a. the subject area and research methodology ✓
- b. research problem and topic
- c. thesis guide and research outline
- d. research design and research strategy

**Question 8**

Incorrect

AA



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**Question 11**

Correct

Mark 1 out of 1

 [Flag question](#)

Objectives should be worded (I) with focus on the findings, (II) clearly, (III) specifically and (IV) in general context

- a. I, III
- b. I, IV
- c. III, IV
- d. II, III ✓

**Question 12**

Correct

Mark 1 out of 1

 [Flag question](#)

## Question 13

Correct

Mark 1 out of 1

🚩 [Flag question](#)

All the following are correct EXCEPT

- a. Research helps to accurately portray the characteristics of a situation;
- b. Research helps to analyse the frequency with which something occurs;
- c. Research helps to ✓
- d. Research helps to gain familiarity with new insights into a phenomenon;

## Question 14

Correct

Mark 1 out of 1

🚩 [Flag question](#)

Moral standards distinguish between

- a. justice and injustice
- b. virtue and vice
- c. right and wrong
- d. legal and illegal ✓

## Question 15

Incorrect

Mark 0 out of 1

🚩 [Flag question](#)



GY



**Grade** 6.67 out of 10.00  
(66.67%)

### Question 1

Correct

Mark 1.00 out of 1.00

[Flag question](#)

Yougelcia is renewable energy scientist who wants to study the trends in solar energy usage in Ghana. What study design will be appropriate for this type of study?

- a. Pre-test and post-test design
- b. Longitudinal design ✓
- c. Cross-sectional studies
- d. Retrospective study design

### Question 2

## Question 15

Incorrect

Mark 0 out of 1

🚩 [Flag question](#)

The following considerations should be made in selecting a research problem or topic other than

- a. Set of rules, indicators or yardsticks ✘
- b. Bias, assess your objectives,
- c. Interest, Magnitude, Ethical issues
- d. Working definitions, operational terms

[Finish review](#)


## Question 2

Correct

Mark 1.00 out of 1.00

 [Flag question](#)

A research design is a plan, structure and strategy of investigation conceived

- a. to arrive at a very good research that can win awards
- b. to be selected to represent the institution in international competitions
- c. to obtain data for making good findings
- d. to obtain answers to research questions 

## Question 3



GY



## research questions

**Question 3**

Correct

Mark 1.00 out of 1.00

[Flag question](#)

When a study design is intended to elicit views of focus groups, the role of the researcher is to

- a. Ask them individual questions
- b. Send voice notes to them
- c. Raise issues for discussions ✓
- d. Observe them

**Question 4**

Incorrect

Mark 0.00 out of 1.00

AA

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## Question 5

Correct

Mark 1.00 out of 1.00

 [Flag question](#)

Matilda Abedu has decided to adopt qualitative research in her project work in Electrical Engineering. Which of these methods should she adopt?

- a. Developing a theory that explains a specific phenomenon. 
- b. The number of contacts with the study population
- c. The nature of the investigation
- d. The reference period of the study


## Question 6

Correct


## Question 6

Correct

Mark 1.00 out of 1.00

 [Flag question](#)

In an ethnography studies,

- a. the researcher wants to study a group of people to gain a deeper understanding of their lives. 
- b. the researcher develops a theory that explains a specific phenomenon.
- c. the researcher finds out what happened in the past, what is happening now and what is likely to happen in the future in a population group
- d. the researcher always collects information from the same

## Question 7

Correct

Mark 1.00 out of 1.00

 [Flag question](#)

The phases of literature review are

- a. identifying and rehearsing.
- b. identifying and writing. ✓
- c. rephrasing and writing
- d. analysing and discussion.


## Question 8

Correct


Mark 1.00 out of 1.00

 [Flag question](#)

In a community group discussion forums,

- a. it is useful when exploring an area where little is known or where you want to have a holistic understanding of the situation.
- b. it is useful when the researcher wants to develop close interaction with members of a group which is being studied.
- c. it is useful when the researcher wants to find opinions and attitudes of a community with regard to problems affecting the community. 
- d. it is useful when the researcher wants to understand the perceptions towards an issue through a free and open discussion between members of

What is the control of variance in a research design?

- a. When the researcher provides a synopsis of various procedures and tasks required to complete your study.
- b. When the researcher conceptualises an operational a framework to guide the complete your study.
- c. When the researcher conceptualises an operational plan to undertake the various procedures and tasks required to complete your study.
- d. When the researcher ensures  that procedures are adequate to obtain valid, objective and accurate answers to the research questions.

Incorrect

Mark 0.00 out of 1.00

 [Flag question](#)

Careful selection of the research design helps to

- a. quantify the effects of different sets of variables affecting the IVs.
- b. eliminate the effects of different sets of variables affecting the DVs. ✘
- c. quantify the effects of different sets of variables affecting the IVs.
- d. critically examine the effects different sets of variables affecting the IVs.

- c. quantify the effects of different sets of variables affecting the IVs.
- d. critically examine the effects different sets of variables affecting the IVs.

## Question 12

Incorrect

Mark 0.00 out of 1.00

 [Flag question](#)

Focus groups or group interview cannot be used in a quantitative study?

- a. False
- b. True **✘**


## Question 14

Incorrect

Mark 0.00 out of 1.00

 [Flag question](#)

Literature review may be tedious because

- a. the researcher might not have  enough materials in the research area.
- b. the researcher might be an engineer.
- c. the research might not have sufficient funds from the government.
- d. the researcher has to synthesize available knowledge in a unique way.

## Question 15

Incorrect

Mark 0.00 out of 1.00

 [Flag question](#)

While literature review is a synthesis of available resources and materials with a strong relation to the topic in question, literature means to organise knowledge of specific area of research.

- a. True **x**
- b. False

[Finish review](#)



RA

**Question 15**

Correct

Mark 1.00 out of 1.00

[Flag question](#)

"The economy is hard" is the most famous statement made by Ghanaians in recent times. Christian Atsu is a computer scientist who is investigating changes in the pattern of household expenditure to ascertain the ability of families to afford a computer software programme that costs GHC4500 for their wards. Which study design should he employ?

- a. Panel study design ✓
- b. Cohort study design
- c. Cross-sectional study design
- d. Trends study design



RA



### Question 12

Correct

Mark 1.00 out of 1.00

 [Flag question](#)


Which of the following is NOT appropriate for accessing literature?

- a. Books
- b. Conference papers
- c. Bibliography ✓
- d. Journals

### Question 13

Correct

Mark 1.00 out of 1.00

 [Flag question](#)



RA

**Question 10**

Correct

Mark 1.00 out of 1.00

[Flag question](#)

Which of the following cannot be used as a case in a case study design?

- a. Ghanaian economy ✓
- b. An event
- c. Episode
- d. Individual

**Question 11**

Correct

Mark 1.00 out of 1.00

[Flag question](#)

MC4 class has been tasked to



RA

**Question 5**

Correct

Mark 1.00 out of 1.00

[Flag question](#)

The researcher is able to learn  
\_\_\_\_\_ when reviewing literature.

- a. what suggestions he/she will make
- b. about unnecessary confrontations between scholars
- c. what scholars have found out about the aspects of his/her study ✓
- d. what other researchers do not like about his/her topic

Question 6





RA

**Question 6**

Correct

Mark 1.00 out of 1.00

[Flag question](#)

Which of the following describes qualitative research?

- a. Requires many respondents
- b. Mainly expressed in numbers, graphs and tables
- c. Analyzed by summarizing, categorizing and interpreting themes
- d. Focuses on testing theories through hypotheses

**Question 7**

Correct





RA

**Question 7**

Correct

Mark 1.00 out of 1.00

[Flag question](#)

Ali Bamba wishes to investigate the career paths of his fellow Mathematical engineers who graduated from UMaT in 2017. Which study design be most suitable for the study?

- a. Trend study design
- b. Non-experimental design
- c. Quasi-experimental study design
- d. Cohort study design ✓

**Question 8**



RA



Mark 1.00 out of 1.00

 [Flag question](#)

What is an advantage of before-and-after studies?

- a. It can help to collect factual information on a continuing basis.
- b. It allows the researcher to measure the pattern of change to obtain factual information on a regular basis
- c. It is affected by conditioning effect because data might be collected from same respondents frequently
- d. It can measure change in a situation, phenomenon, problem or attitude. ✓





RA

**Question 9**

Correct

Mark 1.00 out of 1.00

[Flag question](#)

Adolley Matthew has been researching for a long time. But literature review seems to be a problem for him. What steps can he adopt to make things easier for him? I. Searching for the existing literature in his area of study. II. Reviewing the selected literature. III. Developing a theoretical and a conceptual framework. IV. Analysing models other have developed.

- a. I, II, III ✓
- b. II, III, IV
- c. I, II, IV
- d. I, III, IV



RA

**Question 8**

Correct

Mark 1.00 out of 1.00

[Flag question](#)

What is the most appropriate way to provide rational for the for your study?

- a. Outline the theoretical model
- b. Critically support your assertions from the literature reviewed. ✓
- c. Effectively communicate your decisions about the study
- d. Design a conceptual framework

Question 9





RA

**Question 2**

Correct

Mark 1.00 out of 1.00

[Flag question](#)

Ibrahim Musa was struggling to put together a design for his project work. Which design would you recommend based on its simplicity?

- a. Pre-test and post-test design
- b. Longitudinal design
- c. Cross-sectional studies ✓
- d. Retrospective study design

**Question 3**

Correct



RA

**Question 4**

Correct

Mark 1.00 out of 1.00

[Flag question](#)

In a cause and effect study,  
which of the following designs  
can be adopted?

- a. Retrospective-  
Prospective study  
design
- b. Prospective study  
design
- c. Experimental ✓
- d. Panel design

**Question 5**

Correct

Mark 1.00 out of 1.00

[Flag question](#)



RA



(93.33%)

**Question 1**

Correct

Mark 1.00 out of 1.00

[Flag question](#)

Which reference style is acceptable by UMaT?

- a. Augmented APA Referencing Style
- b. Harvard referencing style
- c. APA referencing Style
- d. Modified Harvard Referencing Style ✓

**Question 2**

Correct

Mark 1.00 out of 1.00

[Flag question](#)



RA

**Question 15**

Incorrect

Mark 0 out of 1

[Flag question](#)

Religion can

\_\_\_\_\_ ethics,  
even though ethics need not be  
tied to any particular religion or  
its teachings.

- a. replace
- b. supplement
- c. substantiate
- d. complement ❌

[Finish review](#)



RA

**Question 14**

Correct

Mark 1 out of 1

[Flag question](#)

The four branches of ethics are  
(I) prescriptive ethics and  
applied ethics, (II) meta-ethics  
and deontology, (III) descriptive  
ethics and virtue ethics, and (IV)  
meta-ethics and descriptive  
ethics

- a. I, II, III
- b. II, IV
- c. I, IV ✓
- d. II, III

**Question 15**

Incorrect

Mark 0 out of 1

[Flag question](#)



RA

**Question 11**

Correct

Mark 1 out of 1

[Flag question](#)

How many steps are involved in solving an ethical dilemma?

- a. 3
- b. 5
- c. 6 ✓
- d. 7

**Question 12**

Incorrect

Mark 0 out of 1

[Flag question](#)

The key components in understanding research are all



### Eudaimonism is

- a. ethics that defines right action leading to well being, which can be achieved by a lifetime of practicing a virtue in one's everyday activities
- b. ethics that believe that humans have absolute natural right.
- c. ethics about how we view morality and virtues which focuses on shift towards marginalized virtues like taking care of others, patience, ability to nurture and self sacrifice.
- d. ethics based on common-sense intuitions about which character traits that are





RA

**Question 10**

Correct

Mark 1 out of 1

[Flag question](#)

Immanuel Kant's Categorical Imperative belongs to which category of ethics?

- a. Teleological ethics
- b. Deontology ethics ✓
- c. Ethical egoism
- d. Virtue ethics

**Question 11**

Correct

Mark 1 out of 1

[Flag question](#)

How many steps are involved in solving an ethical dilemma?





RA

**Question 8**

Correct

Mark 1 out of 1

[Flag question](#)

Which one of the following does not belong to the list of ethical categories below?

- a. Deontology ethics
- b. Virtue ethics
- c. Ethical egoism ✓
- d. Teleological ethics

**Question 9**

Incorrect

Mark 0 out of 1

[Flag question](#)

Research ethics is concerned



RA

**Question 5**

Correct

Mark 1 out of 1

[Flag question](#)

Which one of the following does NOT depict a dimension of research objectives?

- a. Formulative research studies
- b. Design research studies ✓
- c. hypothesis-testing research studies
- d. Descriptive research studies

**Question 6**

Correct

Mark 1 out of 1

[Flag question](#)



RA

**Question 6**

Correct

Mark 1 out of 1

[Flag question](#)

What are the sources of existing literature?

- a. Bank of Ghana, Ghana Statistical Service, Ministry of Education
- b. Government websites, educational websites, company websites
- c. Books, journals and the internet ✓
- d. Newspapers, radio and television

**Question 7**

Correct





RA



Literature review involves (I) identifying and reading through all relevant published materials in the problem area, (II) explaining your ideas based on the reading, (III) selecting which journal to publish your research findings and (IV) writing ideas into a section of the research report.



- a. I, IV ✓
- b. II, III
- c. I, III
- d. III, IV

**Question 3**

Correct

Mark 1 out of 1

[Flag question](#)



RA



Literature review involves



- a. 2 steps
- b. 4 steps ✓
- c. 5 steps
- d. 3 steps

**Question 2**

Correct

Mark 1 out of 1

[Flag question](#)

Literature review involves (I) identifying and reading through all relevant published materials in the problem area, (II) explaining your ideas based on the reading, (III) selecting which journal to publish your research findings and (IV) writing ideas into a section of the research report





RA



### Question 3

Correct

Mark 1 out of 1

 [Flag question](#)



Which tools can help us in ethical thinking? (I) values, (II) argument and finding facts, (III) code of ethics and (IV) language and debate

- a. I, II, III
- b. II, III, IV
- c. I, III, IV
- d. I, II, IV ✓

[Next page →](#)



RA



### Question 4


Correct

Mark 1 out of 1

 [Flag question](#)



All the following are ideas behind why scientists and engineers engage in ethical impropriety except

- a. lack of ethical education for scientist
- b. lack of funds to publish 
- c. pressure to receive governmental funding for research
- d. economic incentive in patent and innovative products

### Question 5



RA

**Question 7**

Correct

Mark 1 out of 1

[Flag question](#)

Scientist who believe that scientist who behave unethically must be mentally deranged do so on the basis of

- a. psychological pathology theory
- b. self-discovery theory
- c. social disorder theory
- d. psychotherapy theory

**Question 8**

Correct

Mark 1 out of 1

[Flag question](#)



RA

**Question 9**

Incorrect

Mark 0 out of 1

[Flag question](#)

Research ethics is concerned with all the following except

- a. the kinds of data that are gathered for research
- b. honesty in achieving research objectives based on individual value.
- c. how human participants and/or respondents are treated
- d. plagiarism ✘

**Question 10**

Correct





RA

**Question 12**

Incorrect

Mark 0 out of 1

[Flag question](#)

The key components in understanding research are all the following except

- a. research answers questions
- b. research is organized
- c. research is systematic
- d. research has a process

**Question 13**

Correct

Mark 1 out of 1

[Flag question](#)



RA



An example of longitudinal study is when



- a. a study designed to assess the effects of an advertisement on the sale of a product
- b. a study is conducted to understand the similarities between identical twins who are brought up together versus identical twins who were not.
- c. a study designed to measure awareness of a phenomenon or issue that is affected by a change in the level of awareness during the post-test.
- d. a study is designed to investigate the impact of sex education on





RA

**Question 11**

Correct

Mark 1.00 out of 1.00

[Flag question](#)

MC4 class has been tasked to develop a research design for their project essay. Which of the information provided below should not form part of the design?

- a. Sample or the population to be selected
- b. Research instruments to be used
- c. Identification of the study population
- d. Method of data collection will be used and why





RA



Incorrect

Mark 0.00 out of 1.00

[Flag question](#)

Nadowlinaa Zamba likes researching on energy efficiency in Ghana. What types of information may be critical to his study?

- a. Statistics on energy efficiency in Ghana ✘
- b. Information that is specific and Universal
- c. Information energy efficiency in Africa
- d. Information from advanced countries

**Question 15**

Correct

Mark 1.00 out of 1.00

[Flag question](#)

## Question 13

Correct

Mark 1.00 out of 1.00

🚩 [Flag question](#)

Literature review is important for the following reasons, except

- a. helps to integrate your research findings into the existing body of knowledge.
- b. provides basis to challenges other views ✓
- c. enables you to synchronise your findings with existing body of knowledge in your profession.
- d. provides a theoretical guide to your study.

### Question 8

Correct

Mark 1.00 out of 1.00

 [Flag question](#)

To understand improvements in automobile fuel efficiency in Ghana, Doreen has undertaken to use \_\_\_\_\_ design to investigate the automobiles development from 1957 - 1997.

- a. Prospective study design
- b. Retrospective study design ✓
- c. Cross-sectional studies
- d. Longitudinal design

### Question 9

Correct

Mark 1.00 out of 1.00



GY

**Question 4**

Incorrect

Mark 0.00 out of 1.00

[Flag question](#)

Literature refers to knowledge of a particular area of investigation of any discipline which includes all the following except

- a. discussion of results
- b. practical
- c. theoretical
- d. its research studies ✘

**Question 5**

Correct

Mark 1.00 out of 1.00

[Flag question](#)

## Question 12

Correct

Mark 1 out of 1

 [Flag question](#)

Literature review involves (I) identifying and reading through all relevant published materials in the problem area, (II) explaining your ideas based on the reading, (III) selecting which journal to publish your research findings and (IV) writing ideas into a section of the research report.

- a. III, IV
- b. I, IV ✓
- c. II, III
- d. I, III



GY

 d. I, IV**Question 9**

Incorrect

Mark 0 out of 1

[Flag question](#)

Utilitarianism belongs to which category of ethics?

- a. Virtue ethics
- b. Deontology ethics
- c. Teleological ethics
- d. Ethical egoism **✘**

**Question 10**

Correct

Mark 1 out of 1

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## Question 8

Incorrect

Mark 0 out of 1

🚩 [Flag question](#)

Scholarly sources of information are (I) written by and for scholars and experts, (II) shares new research in an academic subject, (III) shares fact-based information supported by quotes for a broad, general audience and (IV) not be experts on the subjects, but they still do research on them

- a. III, IV
- b. I, III ✘
- c. I, II
- d. I, IV

## Question 5

Correct

Mark 1 out of 1

🚩 [Flag question](#)

Although one's employment may require him/her to lie, the person may lie even if he/she has a moral duty not to lie.

- a. No, he/she must not lie because he/she has a religious belief
- b. Yes, he/she must lie to save his skin
- c. No, he/she should not lie because it conflicts with his/her morals ✓
- d. Yes, he/she should lie to save his/her job and to get promotion



GY




### Question 4

Correct

Mark 1 out of 1

 [Flag question](#)

When a research study does not properly acknowledge ideas, concepts and theories developed by others,

- a. that research is considered a novelty
- b. that research attracts more marks for outstanding performance
- c. that research should be published in top international journals
- d. that research is considered plagiarized 



GY

**Question 3**

Correct

Mark 1 out of 1

[Flag question](#)

The research problem should be defined in the context of the following except

- a. Problems
- b. Programmes
- c. People
- d. Information ✓

**Question 4**

Correct

Mark 1 out of 1

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- human behaviour
- d. on phenomena relating to or involving quality or kind

## Question 2

Correct

Mark 1 out of 1

 [Flag question](#)

Ethics may serve as modifier for any of the following, except

- a. meat ethics ✓
- b. military ethics
- c. accounting ethics
- d. engineering ethics

## Question 3

Correct



GY


**Question 1**

Correct

Mark 1 out of 1

[Flag question](#)

Quantitative research is based

- a. on related abstract idea(s) or theory
- b. on the measurement of quantity or amount 
- c. on measurement of reasons for human behaviour
- d. on phenomena relating to or involving quality or kind

**Question 2**

Correct

Mark 1 out of 1

[Flag question](#)