



**AMREF INTERNATIONAL UNIVERSITY  
SCHOOL OF MEDICAL SCIENCE  
DEPARTMENT OF REHABILITATION MEDICINE  
BACHELOR OF SCIENCE IN PHYSIOTHERAPY  
END OF SEPT-DECEMBER 2024 TRIMESTER EXAMINATIONS**

**UNIT CODE: PHT 316**                      **UNIT NAME: Research methods in Physiotherapy**  
**DATE: Tuesday/ 10th/ December**  
**TIME: TWO HOURS**  
**START: 6PM**                                      **STOP : 8PM**

**INSTRUCTIONS (physical exams)**

1. Do not write on this question paper  
(Marks and questions distribution as per program curriculum.)

**INSTRUCTIONS (Online examinations)**

1. This exam is marked out of 70 marks
2. This Examination comprises 3 Sections
3. This online exam shall take 2 Hours
4. Late submission of the answers will not be accepted
5. Ensure your web-camera is on at all times during the examination period
6. No movement is allowed during the examination
7. Idling of your machine for 5 min or more will lead to lock out from the exam
8. The Learning Management System (LMS) has inbuilt integrity checks to detect cheating
9. Any aspect of cheating detected during and or after the exam administration will lead to nullification of your exam
10. In case you have any questions call the invigilator for this exam on Tel. 0705833434 and or the Head of Department on Tel 0720491032
11. For adverse incidences please write an email to: [amiu.examinations@amref.ac.ke](mailto:amiu.examinations@amref.ac.ke)

**SECTION A: Multiple choice questions, each question is 2 marks (30 marks)**

1. Published information in a particular subject area is discussed in?

- A) Journals
- B) Research proposal
- C) Literature review
- D) Bioethics
- E) All of them

2. Sources of Literature review are all, except?

- A) Books
- B) Journals
- C) Articles
- D) Magazines
- E) Discussions

3. A Research is a \_\_\_\_\_

- A) Lab experiment
- B) Systematic and scientific inquiry
- C) Report
- D) Procedure
- E) Hypothesis

4. The purpose of research is to:

- A) Review or synthesize existing knowledge
- B) Investigate existing situations or problems
- C) Provide solutions to problems
- D) Explain new phenomenon
- E) All of these

5. On the basis of information sought there are 2 types of research which are:

- A) Exploratory research & explanatory research
- B) Descriptive research & correlation research
- C) Qualitative research & quantitative research
- D) Basic research & applied research
- E) Basic research & explanatory research

6. Which of the following statement is not correct about a questionnaire?

- A) A technique for collecting data
- B) Large amounts of information can be collected
- C) Its quick and easy to collect results
- D) An expensive method to collect data
- E) Set of questions for the purposes of a survey or statistical study

7. Which of the following is a first step in writing a questionnaire?

- A) Explain the purpose of the questionnaire
- B) Self introduction
- C) Estimate time
- D) Reveal what will happen with the data you collect
- E) Describe any incentives that may be involved

8. Common ways to distribute questionnaires are:

- A) An online site
- B) Using the mail
- C) Conduct face-to-face interviews
- D) using the telephone
- E) All of these

9. Advantages of questionnaire are:

- A) Inexpensive
- B) A practical way to gather data
- C) Its quick and easy to collect results
- D) Allow you to gather information from a large audience
- E) All of the above

(10) A systematic study directed toward greater knowledge or understanding of the fundamental aspects of phenomena is called

- A) Applied research
- B) Basic research
- C) Explanatory
- D) Qualitative
- E) Quantitative

(11) Ethics is the branch of \_\_\_\_\_.

- A) Philosophy
- B) Social sciences
- C) Statistics
- D) Biostatistics
- E) Bio-medics

(12) Research should be driven only by desire to establish the \_\_\_\_\_.

- A) Information
- B) Conclusion
- C) Truth
- D) Planning
- E) All of these

(13) Informed consent is also a part of:

- A) Social sciences
- B) Research ethics
- C) Lab tests
- D) TV shows
- E) Social media

(14) The process of identifying & reporting unethical or unsound research is called\_\_\_\_\_.

- A) Research ethics
- B) Research misconduct
- C) Study design
- D) Scholaryity
- E) None

(15) The appropriation of another person`s ideas, processes, results or words without giving appropriate credit is called\_\_\_\_\_.

- A) Falsification
- B) Fabrication
- C) Publication
- D) Jurisdiction
- E) Plagiarism

**SECTION B: Short answer questions (20 marks)**

16. Explain the role of computers in Physiotherapy research. (5marks)

17. Research is life of all human kind.

- (a) What is the purpose of research (5 marks)
- (b) State any five sources of knowledge in research (5 marks)
- (c) Explain the following terms as used in research (5 marks)
  - (i) Population

(ii) Sampling

(iii) Descriptive statistics (give an example)

(iv) Inferential statistics (give an example)

**SECTION C: Long answer questions (20 marks)**

18. Explain the steps involved in the research process, from selecting a research topic to reporting the findings. (10 marks)

19. Discuss the differences between qualitative and quantitative research approaches. When and why might one be preferred over the other? (10 marks)

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