

**BACHELOR OF PHYSIOTHERAPY
FIFTH SEMESTER
RESEARCH METHODOLOGY
BPT-505**

**SET
C**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

Full Marks: 70

Time: 30 mins.

(Objective)

Marks: 20

1×20=20

Choose the correct answer from the following:

- Writing a literature review requires:
 - Planning
 - Good writing
 - Clear writing
 - All of the above
- When a researcher rejects a true null hypothesis (H_0) in his / her study and accepts the alternative hypothesis (H_1), which type of error is likely?
 - Type I error
 - Type II error
 - Both type I error and Type II error
 - Neither Type I error nor Type II error
- Which of the following are not critique processes?
 - Comprehension and Comparison
 - Analysis and Evaluation
 - Abstractable and Unreal
 - None of the above
- Why do you need to review the existing literature?

To give your dissertation a proper academic appearance with lots of reference

 - Because without it, you could never reach the required word count
 - To find out what is already known about your area of interest
 - To help in your general study.
- Research design is a _____ for conducting the research project
 - strategy
 - framework
 - blueprint
 - All of the above
- _____ is concerned with the various tests of significance for testing hypotheses
 - Descriptive analysis
 - Inferential analysis
 - Survey analysis
 - None of the above
- Which of the following sections of a project report summarises the key results and needs to reflect what your initial project aims and objectives were?
 - Results
 - Discussion
 - Conclusion
 - None of the above
- The concept "Paradigm" is associated with
 - Imre Lakatos
 - T. S. Kuhn
 - R. A. Fisher
 - Karl Popper
- What is the name of the conceptual framework in which the research is carried out?
 - Research hypothesis
 - Research design
 - Research Paradigm
 - Synopsis of Research

10. Research critique requires
 - a. Critical thinking
 - b. Appraisal
 - c. Intellectual skills
 - d. All of the above
11. A _____ is an in-depth research study of an issue relevant to the field in which you are studying
 - a. project
 - b. dissertation
 - c. report
 - d. research design
12. A research paradigm is an approach to conducting a research
 - a. that has been verified by research community
 - b. a degree of parameter of a research
 - c. a process of conducting research
 - d. none of the above
13. The data which are fresh and raw, are
 - a. Secondary data
 - b. Primary data
 - c. Statistical data
 - d. None of the above
14. Which of the following does not correspond to characteristics of research?
 - a. Research is not passive
 - b. Research is systematic
 - c. Research is not a process
 - d. Research is not a problem oriented
15. The main aim of the scientific method in the research field is to ____
 - a. Improve data interpretation
 - b. Introduce new variables
 - c. Eliminate Spurious relations
 - d. Confirm triangulation
16. A good research design always
 - a. minimizes bias
 - b. maximizes the reliability of the analysis
 - c. both a and b
 - d. neither a nor b
17. Hypothesis testing is the main concept of which type of research?
 - a. Survey research
 - b. Experimental research
 - c. Historical research
 - d. None of the above
18. _____ is largely the study of distributions of one variable
 - a. Descriptive Analysis
 - b. Statistical Analysis
 - c. Both a and b
 - d. Neither a nor b
19. Which of the following methods is used to analyse the data
 - a. Experimental method
 - b. Survey method
 - c. Statistical method
 - d. All of the above
20. The method of collecting primary data by sending a list of questions to the informants through an enumerator for helping the informants to answer the questions, is called
 - a. questionnaire method
 - b. interview method
 - c. survey method.
 - d. schedule method

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(Descriptive)

Time : 2 hrs. 30 mins.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

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| 1. (a) Distinguish between Research methods and Research methodology | 5 |
| (b) "Research is much concerned with proper fact finding, analysis and evaluation." Do you agree with this statement? Give reasons in support of your answer. | 5 |
| 2. (a) Explain the meaning and significance of a Research design. | 5 |
| (b) What is Research Paradigm? Write the various paradigms in Research. | 5 |
| 3. (a) Why do Physiotherapists use the methods of 'evidence-based practice' as the basis for their treatments. Explain. | 5 |
| (b) Write in brief the various ethical views in Research. | 5 |
| 4. (a) Write the purpose and use of literature review in research. | 5 |
| (b) Explain the different types of hypothesis used in research. | 5 |
| 5. What is primary data? Discuss some methods of collecting primary data. | 10 |
| 6. Discuss the importance of Statistics in Research and explain some important Statistical tools used in Research. | 10 |
| 7. (a) Write in brief the importance and purposes of Research Critiques | 5 |
| (b) Explain aims and objectives of Research project. | 5 |
| 8. Write short notes on | |
| (a) Motivation of Research | 5 |
| (b) Research validity | 5 |

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