

**BACHELOR OF PHYSIOTHERAPY
FIFTH SEMESTER
RESEARCH METHODOLOGY
BPT-505(REPEAT)
[USE OMR SHEET FOR OBJECTIVE PART]**

**SET
A**

Duration: 3 hrs.

Full Marks: 70

(Objective)

Time: 30 mins.

Marks: 20

Choose the correct answer from the following:

1×20=20

1. What is the name of the conceptual framework in which the research is carried out?
 - a. Research hypothesis
 - b. Research design
 - c. Research Paradigm
 - d. Synopsis of Research
2. 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
3. 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
4. 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
5. 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
6. Writing a literature review requires:
 - a. Planning
 - b. Good writing
 - c. Clear writing
 - d. All of the above
7. Why do you need to review the existing literature?

To give your dissertation a proper

 - a. academic appearance with lots of reference
 - b. Because without it, you could never reach the required word count
 - c. To find out what is already known about your area of interest
 - d. To help in your general study.
8. 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
9. 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?

- a. Type I error
c. Both type I error and Type II error
- b. Type II error
d. Neither Type I error nor Type II error
10. 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
c. survey method.
- b. interview method
d. schedule method
11. The data which are fresh and raw, are
- a. Secondary data
c. Statistical data
- b. Primary data
d. None of the above
12. Research critique requires
- a. Critical thinking
c. Intellectual skills
- b. Appraisal
d. All of the above
13. Which of the following methods is used to analyse the data
- a. Experimental method
c. Statistical method
- b. Survey method
d. All of the above
14. _____ is largely the study of distributions of one variable
- a. Descriptive Analysis
c. Both a and b
- b. Statistical Analysis
d. Neither a nor b
15. _____ is concerned with the various tests of significance for testing hypotheses
- a. Descriptive analysis
c. Survey analysis
- b. Inferential analysis
d. None of the above
16. Which of the following are not critique processes?
- a. Comprehension and Comparison
c. Abstractable and Unreal
- b. Analysis and Evaluation
d. None of the above
17. Research design is a _____ for conducting the research project
- a. strategy
c. blueprint
- b. framework
d. All of the above
18. The concept "Paradigm" is associated with
- a. Imre Lakatos
c. R. A. Fisher
- b. T. S. Kuhn
d. Karl Popper
19. A _____ is an in-depth research study of an issue relevant to the field in which you are studying
- a. project
c. report
- b. dissertation
d. research design
20. 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?
- a. Results
c. Conclusion
- b. Discussion
d. None of the above

(Descriptive)

Time : 2 hrs. 30 mins.

Marks : 50

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

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 5
(a) Motivation of Research 5
(b) Research validity

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