SET

BACHELOR OF PHYSIOTHERAPY FIFTH SEMESTER RESEARCH METHODOLOGY BPT - 505 [REPEAT]

JUSE OMR SHEET FOR OBJECTIVE PARTI

Duration: 3 hrs.

Full Marks: 70

Marks: 20

Objective)

Time: 30 min.

Choose the correct answer from the following:

 $1 \times 20 = 20$

- 1. Where does the word research come from?
 - a. Ancient Greek "recherche"
- b. Ancient Egypt "recherche"
- c. Middle French "recherche"
- d. None of these
- Which of the following is a research objective
 - a. Exploratory

b. Evaluative

c. Predictive

- d. All of these
- 3. When to Write Research Objectives_
 - a. At the beginning of a research project
 - c. At the end of the research project
- b. To get the idea of research project
- d. None of these
- To ensure that research objectives are well-defined and achievable, one has to use the SMART criteria. The abbreviation of SMART is
 - Specialized Measurable, Achievable,
 - Relevant, and Time-bound. Specific, Measurable, Achievable,

 - Relevant, and Time-bound.
- Specific, Manageable, Attainable, Reliable and Time-bound
- d. None of these
- 5. Measurement of the consistency of reliability is
 - a. Test retest

b. Parallel forms

e. Internal consistency

- d. All of these
- 6. Which measure of the following is about the accuracy of a measure opt.
 - a. Validity

b. Reliability

c. Neutral

- d. None of these
- 7. Which statement is correct in relating to research methodology
 - The research methodology consists of
 - a. complete approach aligned towards the attainment of purpose.
 - Research methodology covers various investigation techniques
- The research methodology is nothing but the behaviour or tool, employed
- in selecting and building research technique.
- d. All of these

- 8	 The reasons to conduct a literature review To familiarize yourself with the a. current state of knowledge on your topic To identify gaps in knowledge and c. unresolved problems that your research can address 	 at the beginning of arcsearch project: To ensure that you're not just b. repeating what others have already done All of these d.
9	 When a hypothesis has independent and d known as a. Complex hypothesis c. Empirical hypothesis 	b. Alternative hypothesis d. None of these
10	 The source that index, abstract, organize, c literature review is known as a. Primary source c. Tertiary sources 	b. Secondary d. None of these
11	 Which of the following is a non- probabilit a. Stratified random sampling c. Systematic sampling 	y sampling b. judgement sampling d. None of these
12	 The sampling, where the population is a random sample is taken from each su a. Random sampling c. Stratified random Sampling 	
13	 Data which are mostly non-numerical and known as_ a. Quantitative c. Mixed 	usually descriptive or nominal in nature isb. Qualitatived. None of these
14	 The source that data has been collected from a. Primary source c. Tertiary sources 	
15	 The analysis which aims to make inference based on sample data is known as_ a. Descriptive analysis c. Diagnostic analysis 	b. Inferential analysisd. None of these
	 A distribution which deals with only two s a. Univariate c. Multivariate 	b. Bi-variated. None of these
17	 If the two variables move in opposite direct variables is a. Positive c. Both 	b. Negatived. None of these
		2 USTM/COE/R-01

18. When the value of Pearson's Correlation coefficient is -1 then the two variables are a. Positive & highly correlated b. Negative & moderately correlated c. Positive & moderately correlated d. Negative & highly correlated 19. Which one is the principle of sound research design b. Reviews literature around the a. Identifies the problems problem statement c. Describes sources of data d. All of these A Research Design in which researcher examines the various variables while

including numbers as well as statistics in a project to analyze its findings is known as

a. Qualitative research design

b. Experimental research design

c. Quantitative research design

d. None of these

Descriptive

Time: 2 hrs. 30 min.

Marks: 50

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

1. What are the different types of research objectives? Explain any 2+8=10four.

5+5=10 2. a. Discuss different key characteristics of research objective.

b. Write 5 objectives of the following research title: "Unveiling the Role of Physiotherapy in Restoring Movement and Health: Current Insights and Future Directions"

"Haemoglobin Analysis and Clinical Implications: A Profound Study in Medical Laboratory Technology"

3. What is research design? Discuss different characteristics of 2+8=10 research design.

4. What do you mean by literature review? Discuss different 2+8=10 sources of literature review.

	-
a. Discuss three different types of hypotheses.b. Is it true that vitamin C has the ability to cure or prevent the common cold? Or is it just a myth? Set up a hypothesis for this with significance label 0.01 and P value 0.03. Give conclusion also.	6+4=10
Explain three probability and non-probability sampling techniques.	10
a. What do you mean by correlation between two variables? Give two examples.b. Discuss correlation of variables in terms of number of variables, direction and magnitude.	5+5=10
 Write short notes on <i>any two</i> a. Reliability vs validity in research b. Purpose of hypothesis testing c. Importance of research objectives d. Convenience vs purposive sampling technique 	5+5=10