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School of Medical and Allied Sciences

Master of Physiotherapy Specialization in Orthopedics

Mid Term Examination - Nov 2023

Duration : 90 Minutes

Max Marks : 50

Sem I - L3PB102T - Research Methodology and BiostatisticsGeneral Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Explain the significance of defining the research problem in the context of physiotherapy research, and how it contributes to the overall research process. K2 (2)
- 2) When selecting a research approach, how would you decide between a qualitative and quantitative methodology based on the nature of your research problem? K1 (3)
- 3) Which aspects differentiate research methods from research methodology? K2 (4)
- 4) Estimate the potential impact of sampling errors on the overall credibility of research outcomes. How might this estimation influence decision-making? K2 (6)
- 5) Show the steps involved in developing measurement tools for assessing patients' pain levels in a physiotherapy study. K3 (6)
- 6) Rephrase the term "criteria for good research" and interpret how adhering to these criteria enhances the quality and credibility of physiotherapy research studies. K3 (9)
- 7) Take part in: What ethical considerations should researchers keep in mind when inviting participants to take part in a physiotherapy study? K4 (8)
- 8) What are the different types of research designs available, and what are the basic principles guiding research design? K4 (12)

OR

Contrast different scaling techniques used in physiotherapy research, highlighting the advantages and disadvantages of each technique and their appropriateness for different research scenarios. K4 (12)