[KA 602]

MASTER OF PHYSIOTHERAPY EXAMINATION.

Third Semester

Paper II — BIOSTATISTICS AND RESEARCH METHODS

Time : Three hours   Maximum : 100 marks

1. Describe uses of statistical methods in P.T.   (20)

2. Describe Central tendency and dispersion, Linear regression and correlation.   (20)

3. Describe research process and methodology.   (20)

4. Discuss Administration with respect to P.T. Education and Physiotherapy practice.   (20)

5. Short notes on : $(4 \times 5 = 20)$

   (a) Vital and Health Statistics

   (b) Hypothesis

   (c) Research Report

   (d) Pilot Study.

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EXAMINATION.

Third Semester

Paper II — BIOSTATISTICS AND RESEARCH
METHODS

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

All questions carry equal marks.

1.   Discuss the role of assumptions and limitations of a study while doing research.   (20)

2.   Identify the type of data collection and which one is best suited for today.   (20)

3.   Selection of a sample is considered an essential requirements for a good research. — Discuss   (20)

4.   Discuss the terms reliability, validity in assessing a research project.   (20)

5.   Short notes on : $(5 \times 4 = 20)$

    (a) Relevance of literature search

    (b) Role of computers in P.T.

    (c) Need for pilot study

    (d) Principles of research design.

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Third Semester

Paper II — BIOSTATISTICS AND RESEARCH METHODS

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

All questions carry equal marks.

1. Discuss the importance of review of literature in research process.   (20)

2. Discuss the practical implications of research in P.T.   (20)

3. Explain the need of computers in research.   (20)

4. Discuss basic concepts of statistics and principles of scientific enquiry in evaluating the results of physiotherapy practice.   (20)

5. Short notes : $(4 \times 5 = 20)$

    (a) Central Tendency and dispersion

    (b) Vital statistics

    (c) Population

    (d) Sources of health statistics.