

Registration No:

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Total Number of Pages: (01)

Course: MPT

SUBJECT NAME: Research methodology and Biostatistics

SUB\_CODE: 23MPT102

(1<sup>st</sup> Year MPT) Examination: Regular 2024-25 & Supplementary 2023-24 (Admitted Batch)

BRANCH: Allied Sciences MPT

Q. CODE: A334

Max Time: 1 & ½ Hours

Max Marks: 40

Sitting: 1<sup>st</sup>, 10.00 AM to 12.30 PM

Any Question having parts should be answered as whole at one place only.

Illustrate answer with diagrams wherever relevant / required if any)

The figures in the right-hand margin indicate marks.

Long Answer questions any two out of four

- Q 1 Explain various types of research in detail (1 x 15 Marks)
- Q 2 Elaborate on the significance and various steps of report writing. (1 x 15 Marks)
- Q 3 Write in detail about ethics and documentation related to research. (1 x 15 Marks)
- Q 4 Describe in detail about the epidemiological measures in statistics. (1 x 15 Marks)

Q 5 Short answer questions (any five out of eight) (5 x 2 Marks)

- a) Define analysis of variance.
- b) What is APA citation style
- c) What is statistical measure of validity
- d) Enumerate any two methods by which evidence-based practice can be used in research
- e) Define power analysis
- f) What is plagiarism check
- g) What is an abstract in a research paper
- h) Define outcome measures

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