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Department of Mathematics

PET – 2021

Syllabus for the paper: - Research Methodology

Types of Research, Significance of research, Research Methods, Methodology, Scientific methods.

Quantative Data Analysis, Defining Data, Data Coding, Interpretation and evaluating the data

Qualitative Data Analysis, Analyzing data, computer aided evaluation. Computer Softwares.

Scientific writing using Latex, Document class, Page style, Beamer presentation.

Need of Review Literature, Review process, Organizing and writing literature review.

Writing results, writing abstract, Summary and synopsis, solving a research problem, Survey of research problem, reviewing a paper, References citing and listing, Report writing.

Research grant proposal writing, Plagiarism, Ethics, Copyright issues

Mathematical Sentences, Describing Functions, Forms of argument, Induction, Existence and definitions