

RM-03

University of Rajasthan, Jaipur
UNTRAT PAT SYLLABUS
Research Methodology
Faculty of Commerce

(Common for A.B.S.T, Bus Admin, and EAFM)

RESEARCH METHODOLOGY

Section A

Evolution of Scientific Inquiry, Scientific Research: Definition, Characteristics, types, need of research, Meaning and Importance of Research, Objectives of Research, Motivation in Research.
Research methods: Scientific method, Deductive, Inductive approach.
Types of Research: Pure research, Applied research, Exploratory research, Descriptive research, Diagnostic research, Quantitative and Qualitative research.
Research Process, Criteria of Good Research, Research Formulation, Defining and formulating the research problem.
Reasoning and analytical abilities, Ethics in conducting research

Section B

Literature Review, Formulation and Development of Research Hypothesis, Research Design, Sources of Data: Primary and Secondary, Categorical (nominal and ordinal), Numerical (discrete, continuous, ratio and interval); Methods of Data Collection: Survey, Interviews, Focus Group Discussion (FGD), Observation, Records or Experimental Observations, Sampling Methods and Sampling Error, Hypothesis testing, Generalization and Interpretation.
Analysis of data: Descriptive Statistics, Inferential Statistics, Statistical Graphics.
Descriptive Analysis, Frequency Distributions, Measures of Central Tendency, Measures of Variation/Dispersion, Skewness and Kurtosis, Coefficient of Variation, Correlation and Regression Analysis, Parametric and Non-parametric Test: Chi square test, F test, t test, z test, ANOVA one way and two-way, normal distribution.

Section C

Ethical Issues, Ethical Committees, Commercialization, Intellectual Property Rights: Copy Right and Patent Law, Royalty, Plagiarism, Citation and Acknowledgement.
Structure and components of research reports, Types of report, technical reports, Different steps in report writing, Foot notes, Referencing and Bibliography: APA (American Psychological Association), MLA (Modern Language Association), CMS (Chicago Manual Style).
Types of publications, Indexing and abstracting services, Online library, Search engines, Citation indexes, Citations analysis.
Preparation of research papers and thesis: Structure of a review article/ research article/ thesis, Editing and Proof reading, Use of Abbreviations.

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29/11/2023

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Dean and Convenor
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