

Research Methodology syllabus for the RDET paper -I

Unit I: Research Aptitude

- Research: Meaning, Types, and Characteristics
- Positivism and Post-positivistic approach to research
- Methods of Research: Experimental, Descriptive, Historical, Qualitative, and Quantitative methods
- Steps of Research
- Thesis and Article writing: Format and styles of referencing
- Application of ICT in research
- Research ethics

Unit II: Communication

- Communication: Meaning, types, and characteristics of communication
- Effective communication: Verbal and Non-verbal, Inter-Cultural and group communications, Classroom communication
- Barriers to effective communication
- Mass-Media and Society

Unit III: Data Interpretation

- Sources, acquisition, and classification of Data
- Quantitative and Qualitative Data
- Graphical representation (Bar-chart, Histograms, Pie-chart, Table-chart, and Line-chart) and mapping of Data
- Data Interpretation
- Data and Governance

Unit IV: Information and Communication Technology (ICT)

- ICT: General abbreviations and terminology
- Basics of Internet, Intranet, E-mail, Audio and Video-conferencing
- Digital initiatives in higher education
- ICT and Governance