GENERAL PAPER-I

Research Methodology

The main objective is to assess research capabilities of the candidates. The test aims at assessing the research aptitude. Candidates are expected to possess and exhibit cognitive abilities, which include comprehension, analysis, evaluation, understanding the structure of arguments, deductive and inductive reasoning.

The details of syllabi are as follows:

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-IV 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-V 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.