



KRISTU JAYANTI
(DEEMED TO BE UNIVERSITY)
Under Section 3 of UGC Act 1956
A CMI INSTITUTION | BENGALURU | INDIA

Centre for Research and Development

Office of Doctoral Studies

Syllabus for the Part A of Kristu Jayanti University Entrance Test (KJUEET)

Common for Ph. D. Programmes in all Disciplines

(Quantitative Reasoning, Verbal Reasoning, Research Aptitude and Research Methodology)

Unit 1: Quantitative Reasoning

Basic Arithmetic—percentages, ratios, proportions, averages; Data Interpretation—reading tables, bar graphs, pie charts, line graphs; Basic Statistics—mean, median, mode, standard deviation (conceptual understanding); Simple Probability—basic probability concepts, outcomes; Number Systems—HCF, LCM, fractions, decimals; Basic Algebra—simple equations, linear equations; Logical Reasoning with Numbers—series completion, pattern recognition.

Unit 2: Verbal Reasoning

Reading Comprehension—passages with questions on understanding, inference, and analysis; Vocabulary—synonyms, antonyms, word meaning; Sentence Completion—fill in the blanks with appropriate words; Para Jumbles—arranging sentences in logical order; Critical Reasoning—identifying assumptions, strengthening/weakening arguments; Analogies—word relationships; Error Detection—basic grammar and sentence correction.

Unit 3: Basics of Research Methodology

Research Basics—definition and objectives of research, types of research (Basic vs Applied, Qualitative vs Quantitative), steps in research process, identifying research problems and formulating hypotheses; Research Design—experimental vs non-experimental designs, sampling methods (random, stratified, convenience sampling), variables (independent, dependent, confounding); Data Collection—primary vs secondary data, methods (surveys, interviews, observations, questionnaires), reliability and validity of instruments; Data Analysis—descriptive vs inferential statistics, measures of central tendency and dispersion, correlation and causation (conceptual), basic understanding of hypothesis testing; Research Ethics—plagiarism and citation, informed consent, ethical considerations in research; Report Writing—structure of research paper, citation styles (APA, MLA—basic awareness), literature review.

Unit 4: General Aptitude & Analytical Ability

Logical Reasoning—syllogisms, blood relations, coding-decoding, direction sense; Analytical Reasoning—seating arrangements, puzzles, grouping; Visual Reasoning—pattern completion, figure series, mirror images; Statement-based Reasoning—assumptions, inferences, conclusions; Problem Solving—real-life situational problems; General Awareness—basic knowledge of current affairs, academic developments (recent 1-2 years).