

**Syllabus for Adani University Research Entrance Test (ARET)**

**Faculty of Management Studies**

**Data Interpretation**

Types of Data Representations: Tables: Analyze data presented in tabular format- Graphs: Interpretation of bar charts, Line Graphs, Pie- Caselets: Data interpretation in textual format. Venn Diagrams: Solving problems based on set theory using Venn diagrams- Combination Graphs: Data presented using multiple types of graphs (e.g., bar + line)- Percentages and Ratio: Calculating growth rates, percentages, ratios, and proportions from data- Averages: Finding average values across different data points- Profit, Loss, and Discounts: Interpretation of business-related problems involving profits and losses- Time and Work: Questions around efficiency and output .Data Sufficiency: Judging whether the given data is sufficient to answer the question.

**Quantitative Ability**

Number Systems: Types of Numbers, Natural numbers, integers, rational and irrational numbers, prime numbers, composite numbers. Divisibility Rules: Rules for divisibility by numbers like 2, 3, 5, 9, 11, etc. Factors and Multiples: Prime factorization, highest common factor (HCF), least common multiple (LCM). Properties of Integers: Even and odd numbers, positive and negative integers, rules of addition, subtraction, multiplication, and division. Profit and loss: discount, commission. Determining cost price, selling price, profit, and loss. Discounts: Single and multiple discounts, cash and trade discounts. Ratio and Proportion: Understanding ratios, proportions, and their properties. distribution problems, part-whole relationships problems. Averages: Arithmetic mean, weighted mean. Problems involving averages of different sets, average speed, and time. Missing value problems, consecutive integers and their averages. Time and Work : Work rates, efficiency, and time taken to complete tasks. Time, Speed, and Distance: Problems involving relative speed, time and distance in different scenarios, problems with boats and streams, trains and platforms. Simple and Compound Interest: Problems on principal, rate, and time, interest on interest, annual, semi-annual, and continuous compounding, Effective rate of interest- Probability: Problems involving cards, dice, coins, and other probabilistic scenarios. Sets and Venn Diagrams: Basic set operations, applications in problem-solving. Sequences and Series: Arithmetic and geometric progressions, sum of series, nth term problems. Linear Equations: Solving equations with one variable, word problems. Sequences and Series: Arithmetic Progressions (AP): nth term, sum of n terms. Geometric Progressions (GP): nth term, sum of n terms.

### **Logical Reasoning**

Blood Relations, Series, Propositions, Direction Sense, Coding- Decoding, Assumptions puzzles, Clocks and Calendars, Statements, Data Arrangements, Family Tree, Binary Logic, Seating Arrangement, Sets ,Syllogism, Seating Arrangement, Concept of Truth & Lies, Games and Tournaments, Networks , Einstein & Arrangement Puzzles, LR based Picking Coins, Scheduling, Selection with Conditions.

### **Verbal ability and Comprehension**

Grammar and Usage: Error Spotting (Sentence Correction) - Fill in the Blanks: Completing sentences with appropriate words or phrases, testing vocabulary and contextual understanding, Sentence Improvement Sentence Rearrangement: Para Jumbles, Para Summary, Para Corrections, Odd One Out. containing passages of different genres Reading Comprehension: Fact-Based Questions, Inference Based Questions, Main-Idea Based Questions, Critical Reasoning- Business Case study/Caselet Interpretation, Different Types of Passages on Business and Economics, Social Sciences and Humanities, Current Affairs: Queries that can be answered explicitly from the passage, Inference-Based answers, Main Idea and Theme of paragraph , Fact vs. Opinion questions, Structure and Organization, Author's Purpose and Tone.



Signature of Dean