

DDA-JE Syllabus

<p>General Awareness</p>	<ul style="list-style-type: none">• Current Events (National and International)• Indian History and Culture• Indian Polity and Constitution• Geography of India• Economic Scenario• Science and Technology• Environmental Issues• Government Schemes• Important Days and Dates
<p>General Intelligence & Reasoning</p>	<ul style="list-style-type: none">• Analogies• Similarities and Differences• Spatial Visualization• Spatial Orientation• Problem Solving• Analysis• Judgment• Decision Making• Visual Memory• Discrimination

	<ul style="list-style-type: none">• Observation• Relationship Concepts• Arithmetical Reasoning• Verbal and Figure Classification• Arithmetical Number Series• Non-Verbal Series• Coding and Decoding• Statement Conclusion• Syllogistic Reasoning
Quantitative Aptitude	<ul style="list-style-type: none">• Number System• Computation of Whole Numbers• Decimals and Fractions• The relationship between Numbers• Fundamental Arithmetical Operations• Percentages• Ratio and Proportion• Averages• Interest (Simple and Compound)• Profit and Loss• Discount• Time and Distance

	<ul style="list-style-type: none">• Time and Work• Basic Algebra• Mensuration• Geometry and Trigonometry• Statistical Charts
English Language	<ul style="list-style-type: none">• Vocabulary• Grammar• Sentence Structure• Synonyms and Antonyms• Usage of Articles, Prepositions, and Conjunctions• Active and Passive Voice• Direct and Indirect Speech• Sentence Completion• Comprehension
Technical Section (Branch Specific)	<ul style="list-style-type: none">• Building Materials• Estimating, Costing, and Valuation• Surveying• Soil Mechanics• Hydraulics• Irrigation Engineering

	<ul style="list-style-type: none">• Transportation Engineering• Environmental Engineering• Structural Engineering (Theory of Structures, Concrete Technology, RCC Design, Steel Design)
Electrical Engineering	<ul style="list-style-type: none">• Basic Concepts• Circuit Law• Magnetic Circuit• AC Fundamentals• Measurement and Measuring Instruments• Electrical Machines• Synchronous Machines• Generation, Transmission, and Distribution• Estimation and Costing• Utilization of Electrical Energy• Basic Electronics
Mechanical Engineering	<ul style="list-style-type: none">• Theory of Machines and Machine Design• Engineering Mechanics and Strength of Materials• Thermal Engineering• Fluid Mechanics and Machinery

	<ul style="list-style-type: none">• Production Engineering• Industrial Engineering• Automotive Engineering• Power Engineering• Refrigeration and Air-Conditioning• Measurement and Control
Computer Proficiency	<ul style="list-style-type: none">• Basic Concepts of Computers• Hardware and Software• Operating Systems• MS Office (Word, Excel, PowerPoint)• Internet Usage• Basics of Networking