UPSSSC AE/JE Syllabus

	1
General Hindi	 Vocabulary () Synonyms and Antonyms () Sentence Correction () Grammar () Grammar () Comprehension () Idioms and Phrases () One Word Substitution () One Word Substitution () Tense, Voice, Narration, and Error Detection ()
General Knowledge	 Current Affairs (National & International) Indian History Geography (Physical, Social, Economic) Indian Polity and Constitution Economy (Indian Economy, Banking, and Finance) Science and Technology Environmental Issues Important Days, Books, and Authors Culture, Sports, Awards and Honors

Reasoning Ability	 Similarities and Differences Spatial Visualization Spatial Orientation Problem Solving Analysis, Judgment, and Decision Making Visual Memory Discrimination Relationship Concepts Arithmetical Reasoning and Figural Classification Coding and Decoding Number Series Verbal and Non-Verbal Reasoning
General Intelligence	 Series Completion Coding-Decoding Blood Relations Direction Sense Test Logical Venn Diagrams Syllogism Data Interpretation and Sufficiency Logical Sequence of Words Mathematical Operations Inserting the Missing Character Sequential Output Tracing Decision Making

Technical Section (Branch Specific)	 Building Materials Estimating, Costing, and Valuation Surveying Soil Mechanics Hydraulics Irrigation Engineering Transportation Engineering Environmental Engineering Structural Engineering (Theory of Structures, Concrete Technology, RCC Design, Steel Design)
Electrical Engineering	 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	 Theory of Machines and Machine Design Engineering Mechanics and Strength of Materials Thermal Engineering Fluid Mechanics and Machinery Production Engineering Industrial Engineering Automotive Engineering Power Engineering Refrigeration and Air- Conditioning Measurement and Control
General Science	 Basic concepts of Physics, Chemistry, and Biology Everyday Science Applications Environmental Science Scientific Research and Technological Developments