UKPSC_JE

1. Technical Knowledge:	For Electrical Engineering:
	• Electrical Circuits and
	Network Theorems:
	。 Ohm's Law
	 Kirchhoff's Laws
	• Network Theorems
	(Thevenin's,
	Norton's,
	Superposition)
	Electrical Machines:
	• Transformers
	(Construction,
	Operation, Testing)
	• AC and DC Motors
	(Types, Operation,
	Characteristics)
	• Generators
	(Principles, Types)
	• Power Systems:
	• Power Generation
	(Hydro, Thermal,
	Nuclear)
	• Transmission and
	Distribution
	• Power Factor
	Improvement
	 Protection Systems
	(Relays, Circuit
	Breakers)
	Control Systems:
	• Feedback Control
	• Transfer Functions
	 Stability Analysis
	Electrical Measurements
	and Instrumentation:
	• Measuring
	Instruments
	(Voltmeters,

Ammeters,
Wattmeters)
• Calibration and
Testing
Power Electronics and
Drives:
• Semiconductor
Devices (Diodes,
Transistors,
Thyristors)
• Converters, Inverters
 Motor Drives
For Mechanical Engineering:
Thermodynamics:
\circ Laws of
Thermodynamics
• Heat Engines
• Refrigeration and Air
Conditioning
Fluid Mechanics:
• Fluid Properties
• Fluid Statics and
Dynamics
• Flow Through Pipes
• Strength of Materials:
• Stress and Strain
• Beam Deflection
• Material Properties
Machine Design:
• Design of Machine
Elements (Shafts,
Bearings, Gears)
Manufacturing Processes:
• Casting, Welding,
Machining
 Material Removal
Processes
Power Plant Engineering:

• Steam, Gas, and
Hydroelectric Power
Plants
For Civil Engineering:
Structural Analysis:
• Types of Structures
 Analysis of Beams
and Frames
Building Materials:
• Properties of
Materials
• Testing of Building
Materials
Construction Techniques:
• Construction Methods
and Equipment
 Building Construction
• Surveying:
• Measurement
Techniques
• Levels and
Theodolites
Soil Mechanics:
 Soil Properties
• Bearing Capacity
• Hydraulics:
• Fluid Flow and
Pressure
• Hydraulic Structures
For Instrumentation
Engineering:
Measurement
Techniques:
• Sensors and
Transducers
• Measurement of
Electrical and Non-
Electrical Quantities
Control Systems:

	 Automatic Control Process Control Signal Processing: Analog and Digital Signal Processing Instrumentation Devices: Calibration and Testing of Instruments
2. General Awareness:	 Current Affairs: National and International Events Indian History: Ancient, Medieval, and Modern History Indian Geography: Physical, Political, and Economic Geography Indian Polity: Constitution, Governance, and Political System General Science: Basic Principles of Physics, Chemistry, and Biology Environment and Ecology: Environmental Issues and Awareness
3. General Hindi and English Language:	 General Hindi: Grammar Vocabulary Comprehension General English: Grammar Vocabulary Grammar Vocabulary Sentence Formation Comprehension Preparation Tips: Refer to the Official Syllabus: Always check the latest UKPSC notification

for the most accurate and updated syllabus. 2. Use Standard Textbooks: For technical subjects, refer to well-regarded textbooks and study materials specific to your engineering discipline. 3. Practice Previous Papers: Solving previous years' papers will help you understand the exam pattern and question types. 4. Stay Updated: Keep up with current affairs and general knowledge throug newspapers, magazines, and reliable online resources. 5. Regular Revision:			Consistent revision is key		to retaining knowledge and improving performance.
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