

Kerala PSC Syllabus 2022 (Electrician)

Kerala PSC Exam Pattern 2022

Name of the Subjects	Total Marks
Basic Electricity	100 marks
Ohm's Law	
Magnetism	
Alternating current and Earthing	
DC Machine	
AC Motors, single and 3 phase	
Instruments and Transformers	
Illumination and Basic Electronics	
Power Generation	
Transmission	
Duration: 1 Hour 30 Minutes	

Kerala PSC Syllabus 2022 - (Subject Wise)

Module 1 Basic Electricity

- Fundamental Of Electricity
- Flux and soldering technique
- Property of Resistance
- Conductor, Insulator, Semiconductor
- Types of wires and cables

Module 2 Ohm's Law Ohm's law, Kirchoff's law

- Effects of variation of temperature on resistance
- Chemical effect of electric current
- Laws of resistance
- Different types of cells
- Grouping of cells
- Care and maintenance of cell
- Buckling, Sedimentation

Module 3 Magnetism

- Classification of magnetic properties
- Para, dia and ferromagnetic material
- Electromagnetism, Fleming's left, and the right-hand rule
- MMF, Flux density, Reluctance
- Faraday's laws of electromagnetic induction, Lenz's law
- Capacitor, types, and functions

Module 4 Alternating current and Earthing

- Alternating current, Earthing
- Types of wiring both domestic and industrial
- Grading of cable and wires
- Current rating, Testing of installation by megger

Module 5 DC Machine

- DC Generators and Type
- EMF equation
- Description of series, shunt, and compound Generator
- DC motors and type
- Starters 3 points, 4 points, and speed control machine