

Kerala SSLC Physics Syllabus 2023-24

Chapters	Topics
1. Effects of Electric Current	Heating effect of electric current, arrangement of resistors in circuit, series connection, parallel connection, heating effect of electricity, safety fuse, electric power, lighting effect of electric current, discharge lamps, and LED bulbs.
2. Magnetic Effect of Electric Current	Solenoid, uses of magnetic effect of electricity, Flemings's left hand rule, armature, spring ring commutator, and moving coil loudspeaker.
3. Electromagnetic Induction	Fleming's right hand rule, Alternating and direct current, Generator, mutual induction, transformer, self induction, inductor, moving coil microphone, power transmissions and distribution, household electrification, and watt.
4. Reflection of light	Image formation, multiple reflection, mirror equation and focal length.
5. Refraction of light	Speed of light and optimal density, refraction in different media, optic centre, focal length, and power of lens.
6. Energy Management	Coal, biogas, solar energy, tidal energy, and nuclear energy.