

OSSC Electrician Grade 2 Exam Pattern

| Type of Exam | Subject Name | Number of Marks | Exam Duration |
|----------------|-------------------|-----------------|---------------|
| Objective Type | Electrician Trade | 100 marks | 90 Minutes |

OSSC Electrician Syllabus - Topic Wise

- Fundamental of electricity.
- Solders, flux, and soldering technique.
- Voltage grading of different types of insulators, Temp also.
- Wheatstone bridge principle and its applications also.
- Elementary First Aid.
- Various Safety Measures involved in the Industry.
- Identification of Trade-Hand Tools-Specifications.
- Electron Theory- Free electron.
- The concept of the standard also.
- Resistors-Law of resistance.
- Rise permissible types of Wires.
- Resistors types of resistors & properties of resistors also.
- The explanation, Definition, and Properties of Conductors, insulators, and semiconductors.
- Ohm's law-Simple electrician circuits and problems.
- Series and Parallel Circuits.
- Kirchoff's laws and applications.
- Cable standard wire gauge specifications of wire also.
- Cable insulation & voltage grades- Low, Medium, and High Voltage precautions in using various types of cables.
- Fundamental Terms, definition, units, and effects of electric current also.