

### **Detailed Syllabus –Electrician cum AV Assistant**

- Prepare electrical wire joints, carry out soldering, crimping and measure insulation resistance of underground cable.
- Characteristics of electrical and magnetic circuits.
- Install test and maintenance of batteries and solar cell.
- Estimate assemble install and test wiring system
- Plan and prepare earthing installation.
- Plan and execute electrical illumination system and test
- Measurements using digital instruments and install smart meters
- Testing and verify errors and calibrate instruments
- Installation, fault detection and repairing of domestic appliances.
- Testing and maintenance of transformer.
- Engineering drawing for different application in the field of work

**NOTE: - It may be noted that apart from the topics detailed above, questions from other topics prescribed for the educational qualification of the post may also appear in the question paper. There is no undertaking that all the topics above may be covered in the question paper.**