



Insulators Study Notes for RRB ALP Technical Paper - Part B CBT-2 in PDF!

The Computer-based Test for Railways RRB Assistant Loco Pilot & Technicians was conducted recently. Now the next stage, i.e. the Railways ALP Stage 2 (Part B), Technical Paper will soon be conducted. In this article, you will find RRB ALP Technical Notes for Electrician/Wiremen. Find study material on Insulators as notes for RRB ALP Technical Exam. If you are wondering what Insulators are & what are some of the Insulating Properties, then read the article provided below & get Insulators Study Notes for RRB ALP Technical Paper 2018.

Insulators Study Notes for RRB ALP - An Introduction

The substances which cannot pass a current under normal conditions are known as insulators. The resistance of an insulator is usually high. The fundamental properties of the insulating materials are high insulation resistance and high dielectric strength. Dielectric strength is the maximum electric field that a pure material can withstand under ideal conditions without any breaking down i.e. without failure of its insulating properties. The voltage at which breakdown of insulation occurs is known as breakdown voltage. At this voltage, insulator losses its insulating properties and acts as a conductor. I.e. it will allow the current flow at voltages above the breakdown voltage.

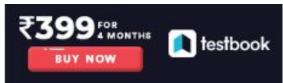
Properties of an Electrical Insulating Material - Insulators Study Notes











The insulating material should have the following properties.

- 1. The material must have high mechanical strength so that it carries the tension and weight of the conductors.
- 2. They must have high dielectric strength.
- 3. The material is highly resistive for preventing the flow of leakage current from the conductor to earth.
- 4. The material is non-porous and free from impurities.
- 5. The electrical and chemical property of the material should not be affected by the temperature.

If you want to learn more about the Insulators Study Notes for RRB ALP, other Technical Notes as well as other Railway Recruitment articles then click on the links given below!

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