

**SYLLABUS FOR TRADE TEST (SKILL TEST) FOR THE POST OF
TECHNICIAN ELECTRICAL ENGINEERING**

Sr. No.	Title
1.	No load Test on Single Phase Transformer
2.	Short Circuit Test on Single phase Transformer
3.	Speed Control of DC Shunt motor
4.	Synchronizing a Synchronous motor
5.	Determination of Excitation required to maintain constant voltage of an alternator
6.	Parallel operation of polyphaser alternator with busbar
7.	Running a DC machine as a shunt motor using three/four point starter
8.	Running a DC machine as a shunt Generator/ separately excited Generator
9.	Running a three phase Induction motor with the help of Direct On line starter
10.	Fabrication of a Direct on line starter
11.	Fabrication of a star-delta starter
12.	Making connections of a three phase Induction motor using star delta starter
13.	Measurement of a three phase load current using two wattmeter method
14.	Fabrication of a sequence starting circuit using contactors & timer
15.	Fabrication of a three phase bridge rectifier using power diodes use cro to show the wave shape
16.	Fabrication of full wave rectifier & filter circuit use cro to show wave shape
17.	Fabrication of DC shunt motor speed control circuit using the given components & circuit
18.	Fabrication of Illumination control circuit using thyristors (SCR/TRIAC) as per the given circuit & components use cro to show wave shape
19.	Fabrication of regulated power supply of a given voltage using voltage regulators
20.	Blinking an LED using Arduino's Digital output
21.	Adjusting an LED's brightness using Arduino's Analog output
22.	Controlling multicolor LEDs using Arduino's Analog output
23.	Detecting a push button using Arduino's Digital input

