

Inspection and Technical Services

Limited Specialized Trade Electrician's Exam Syllabus Appliance

ITS CS Guide 02

There are 50 multiple choice questions on the Limited Specialized Trade Electricians' Appliance Exam. You will have 3.5 hours to complete the exam. The pass mark is 70%.

The Limited Specialized Trade Electricians' Appliance Exam may test your knowledge in the following areas:

- Appliance components/construction, repair methods, testing/trouble shooting and operation (as referenced from *Trouble Shooting and Repairing Major Appliances, 3rd edition*)
- Manitoba Workplace Safety and Health Regulation (2015 edition): Part # 6, 12, 13, 16, 38
- Scope of an M-L Licence holder (Appliance) as described in ***ITS 21-036 – Electrician Licences.***
- Electrical Theory: (as referenced from *Delmar's Standard Textbook of Electricity, 7th Edition*):
 - Ohm's Law Calculations (formula will be provided at the exam)
 - Series/Parallel Circuits
 - Electrical Measuring Terms
 - D.C. and A.C. Electrical Fundamentals
 - D.C. and A.C. Machines
 - Electrical Measuring Instruments
 - Capacitors and Resistors

To write this exam you are required to bring a non-programmable calculator, pencil (HB or #2 only). You will be supplied with the following reference materials on the day of the exam:

Manitoba Workplace Safety and Health Regulation (2015 edition)

