



**DEPARTMENT OF DISTANCE & CONTINUING EDUCATION,
SCHOOL OF OPEN LEARNING,
CAMPUS OF OPEN LEARNING, UNIVERSITY OF DELHI**

Certificate Course in AC, Refrigerator Repairing

Structure of Lesson Plan

S NO.	AC, Refrigerator - Course Content
1	Introduction to Appliances & Electronic Good Industry
1	Safety Precautions -
(a)	First Aid
(b)	Accidents Information/ Types of Accidents
(c)	Fire Extinguishers
2	Basics of Electricity -
(a)	Current - Power
(b)	Voltage
(c)	Resistance
(d)	Ohms Law
(e)	Insulator
(f)	Conductor & Semi Conductors
(g)	Circuits and types
3	Basic Science related to RACW -
(a)	Heat - Pressure
(b)	Temperature - Power
(c)	Types of Heat
(d)	Units of Heat
4	Refrigerator -
(a)	Introduction of Refrigerator
(b)	Types of Refrigerator
(c)	Mechanical Refrigeration Cycle
(d)	Parts of Refrigerator
(e)	Functioning and Testing of Parts
(f)	Gas Charging
(g)	Troubleshooting of Refrigerator
5	Air Conditioner -
(a)	What is Air Conditioning
(b)	Mechanical Refrigeration Cycle
(c)	Working of AC
(d)	Gas Charging
(e)	Types of AC
(f)	Parts of Window AC and their Testing
(g)	Leakage Testing / Brazing

(h)	Swazing/ Flaring
(i)	Parts of Split AC and their Testing
(j)	Practical and Final Assessment