



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

## **Certificate Course in AC, Refrigerator**

### **Structure Of Lesson Plan**

<b>S NO.</b>	<b>AC, Refrigerator - Course Content</b>
1	<b>Introduction to Appliances &amp; Electronic Good Industry</b>
2	<b>Safety Precautions -</b>
3	First Aid
4	Accidents Information/ Types of Accidents
5	Fire Extinguishers
6	<b>Basics of Electricity -</b>
7	Current - Power
8	Voltage
9	Resistance
10	Ohms Law
11	Insulator
12	Conductor & Semi Conductors
13	Circuits and types
14	<b>Basic Science related to RACW -</b>
15	Heat - Pressure
16	Temperature - Power
17	Types of Heat
18	Units of Heat
19	<b>Refrigerator -</b>
20	Introduction of Refrigerator
21	Types of Refrigerator
22	Mechanical Refrigeration Cycle
23	Parts of Refrigerator
24	Functioning and Testing of Parts
25	Gas Charging
26	Troubleshooting of Refrigerator
27	<b>Air Conditioner -</b>
28	What is Air Conditioning
29	Mechanical Refrigeration Cycle
30	Working of AC
31	Gas Charging
32	Types of AC
33	Parts of Window AC and their Testing
34	Leakage Testing / Brazing

35	Swazing/ Flaring
36	Parts of Split AC and their Testing
37	Practical and Final Assessment