



**GOVERNMENT POLYTECHNIC, NABARANGAPUR**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

Discipline: <b>MECHANICAL ENGG</b>	Semester: 5 <sup>TH</sup>	Name of the Teaching Faculty: <i>Anil Kumar Patra</i>
Subject: RAC LAB	No. of days/per week class allotted: 4	Semester From date: <i>15.09.2022</i> To Date: <i>21/01/2023</i> No. of Weeks: 13
<b>Week</b>	<b>Class/Day</b>	<b>Theory/Practical Topics</b>
1 <sup>ST</sup>	1-2	Study the construction features of domestic refrigerator
	3-4	Study the construction features of domestic refrigerator
2 <sup>ND</sup>	1-2	Study the construction features of water cooler
	3-4	Study the construction features of water cooler
3 <sup>RD</sup>	1-2	Study the construction features of window A.C
	3-4	Study the construction features of window A.C
4 <sup>TH</sup>	1-2	Study the construction features of split A.C
	3-4	Study the construction features of split A.C
5 <sup>TH</sup>	1-2	Study the construction features of split A.C
	3-4	Determine the capacity and cop of vapour compression refrigerator test rig
6 <sup>TH</sup>	1-2	Determine the capacity and cop of vapour compression refrigerator test rig
	3-4	Determine the capacity and cop of vapour compression refrigerator test rig
7 <sup>TH</sup>	1-2	Determine the capacity and cop of water cooler
	3-4	Determine the capacity and cop of water cooler
8 <sup>TH</sup>	1-2	Determine the capacity and cop of water cooler

9 <sup>TH</sup>	1-2	Determine the capacity and cop of window A C
	3-4	Determine the capacity and cop of window A C
10 <sup>TH</sup>	1-2	Determine the capacity and cop of split A C
	3-4	Determine the capacity and cop of split A C
11 <sup>TH</sup>	1-2	Determine the capacity and cop of split A C
	3-4	Determine the capacity and cop of vapour vapour compression refrigerator test rig refrigerator test rig
12 <sup>TH</sup>	1-2	Determine the capacity and cop of vapour absorption refrigerator test rig
	3-4	Complete charging of a domestic refrigerator and its leak test
13 <sup>TH</sup>	1-2	Complete charging of a domestic refrigerator and its leak test
	3-4	Complete charging of a domestic refrigerator and its leak test

A-2  
15/09/22  
Sign. Of  
Faculty  
concerned

A-2  
15/09/22  
Academic  
coordinator

A-2  
15/09/2022  
Sign. Of HOD IIC

A-2  
15/09/22  
Principal