



# CARMEL COLLEGE OF ARTS, SCIENCE AND COMMERCE FOR WOMEN

Nuvem, Salcete, Goa.

## DEPARTMENT OF PHYSICS

### Sem I

Paper Type	Paper Code	Paper Name
Major	PHY 100	Foundations of Physics
Minor	PHY 111	Everyday Physics
SEC	PHY 141	Basic Experimental Techniques
Multidisciplinary (MC)	PHY 131	History of Physics

### Sem II

Paper Type	Paper Code	Paper Name
Major	PHY 100	Foundations of Physics
Minor	PHY 111	Everyday Physics
SEC	PHY 144	PCB Designing
Multidisciplinary (MC)	PHY 132	Indian Contribution to Physics

### Sem III

Paper Type	Paper Code	Paper Name
Major	PHY-200	Properties of Matter and Sound
Major	PHY 206	Electricity and Magnetism
Minor	PHY 213	Heat and Thermodynamics
SEC	PHY 243	Measurements using Arduino
Multidisciplinary (MC)	PHY 231	Landmark experiments in Physics

### Sem IV

Paper Type	Paper Code	Paper Name
Major	PHY-202	Electronics
Major	PHY-203	Optics and Modern Physics
Major	PHY-204	Classical Mechanics-I
Major	PHY-205	Mathematical Methods of Physics – I
Minor	PHY-221	Communication Physics

**Sem V**

<b>Paper Type</b>	<b>Paper Code</b>	<b>Paper Name</b>
<b>Major</b>	<b>PHY 300</b>	<b>Analog and Digital Electronics</b>
<b>Major</b>	<b>PHY 301</b>	<b>Atomic and Molecular Physics</b>
<b>Major</b>	<b>PHY 302</b>	<b>Physics Laboratory-I</b>
<b>Major</b>	<b>PHY 303</b>	<b>Special Theory of Relativity</b>
<b>Minor</b>	<b>PHY 321</b>	<b>Experimental Physics</b>

**Sem VI**

<b>Paper Type</b>	<b>Paper Code</b>	<b>Paper Name</b>
<b>Major</b>	<b>PHY 304</b>	<b>Electromagnetic Theory</b>
<b>Major</b>	<b>PHY 305</b>	<b>Quantum Mechanics-I</b>
<b>Major</b>	<b>PHY 306</b>	<b>Physics Laboratory-II</b>
<b>Minor</b>	<b>PHY 324</b>	<b>Solid State Devices and Instrumentation</b>