



**A.P.C. MAHALAXMI COLLEGE FOR WOMEN, THOOTHUKUDI**  
**DEPARTMENT OF PHYSICS (UNAIDED)**

**LEARNING RESOURCES**

| Class               | Name of the Course          | Study Materials/Resources   |
|---------------------|-----------------------------|---|
| III B.Sc<br>Physics | Atomic Physics              | <a href="http://en.m.Wikipedia.org">http://en.m.Wikipedia.org</a> >Wiki>Bohr model<br><a href="https://sites.google.com">https://sites.google.com</a> >home>unit-iii  |
|                     | Basic Electronics           | <a href="http://www.bookrags.com/studyguide-lucky-jim/">http://www.bookrags.com/studyguide-lucky-jim/</a><br><a href="https://books.google.co.in/books?id=GyZyhuY4SngC&amp;printsec=frontcover&amp;redir_esc=y#v=onepage&amp;q&amp;f=false">https://books.google.co.in/books?id=GyZyhuY4SngC&amp;printsec=frontcover&amp;redir_esc=y#v=onepage&amp;q&amp;f=false</a><br><a href="https://www.electronics-tutorials.ws/diode/diode_3.html">https://www.electronics-tutorials.ws/diode/diode_3.html</a>   |
|                     | Quantum Mechanics           | <a href="https://www.theguardian.com">https://www.theguardian.com</a><br><a href="https://brilliant.org">https://brilliant.org</a> >schrodinger-equation.   |
|                     | Solid State Physics         | <a href="https://study.com/academy/lesson/video/crystalline-structure-definition-structure-bonding.html">https://study.com/academy/lesson/video/crystalline-structure-definition-structure-bonding.html</a><br><a href="https://indico.cern.ch/event/812393/contributions/4296144/attachments/2286663/3886585/Materials%20Physics-ASP21-23-07-21-lecture%20I.pdf">https://indico.cern.ch/event/812393/contributions/4296144/attachments/2286663/3886585/Materials%20Physics-ASP21-23-07-21-lecture%20I.pdf</a><br><a href="https://indico.cern.ch/event/812393/contributions/4296144/attachments/2286663/3886585/Materials%20Physics-ASP21-23-07-21-lecture%20I.pdf">https://indico.cern.ch/event/812393/contributions/4296144/attachments/2286663/3886585/Materials%20Physics-ASP21-23-07-21-lecture%20I.pdf</a> |
|                     | Nuclear Physics             | <a href="https://www.investopedia.com">https://www.investopedia.com</a><br><a href="https://www.emedicalprep.com">https://www.emedicalprep.com</a> >chemistry<br><a href="https://nuclear-energy.net">https://nuclear-energy.net</a> >definitions   |
|                     | Spectroscopy                | <a href="https://chem.libretexts.org/core/rotational_spectrum">https://chem.libretexts.org/core/rotational_spectrum</a><br><a href="https://spec.jpl.nasa.gov">https://spec.jpl.nasa.gov</a><br><a href="https://www.bruker.com/products/nmr">https://www.bruker.com/products/nmr</a><br><a href="https://www.sciencedirect.com/topics">https://www.sciencedirect.com/topics</a>  |
|                     | Personality Development     | <a href="https://www.slideshare.net/slideshow/communication-skills-and-personality-development-250143437/250143437">https://www.slideshare.net/slideshow/communication-skills-and-personality-development-250143437/250143437</a><br><a href="https://www.cheggindia.com/career-guidance/what-is-personality-development/">https://www.cheggindia.com/career-guidance/what-is-personality-development/</a><br><a href="https://asana.com/resources/swot-analysis">https://asana.com/resources/swot-analysis</a>   |
|                     | Computer Programming in C++ | <a href="https://rathnaphysicsapcm.blogspot.com/">https://rathnaphysicsapcm.blogspot.com/</a><br><a href="https://www.shiksha.com/online-courses/articles/data-types-in-c-programming-with-examples/">https://www.shiksha.com/online-courses/articles/data-types-in-c-programming-with-examples/</a><br><a href="https://www.javatpoint.com/cpp-tutorial">https://www.javatpoint.com/cpp-tutorial</a>   |

|                   |   |   |
|-------------------|---|---|
| II B. Sc. Physics | Electricity and Magnetism                     | <a href="https://www.tutorialspoint.com">https://www.tutorialspoint.com</a> >hertz-experiment<br><a href="https://www.electrical4u.com">https://www.electrical4u.com</a> >resonance circuit<br><a href="https://physics.info">https://physics.info</a> >maxwell   |
|                   | Maintenance of Electrical Appliances          | <a href="https://modern-electronics.weebly.com">https://modern-electronics.weebly.com</a> ><br><a href="http://www.sawaal.com">www.sawaal.com</a> >the-working-principle<br><br><a href="https://www.electronics-tutorials.ws/transformer/transformer-basics.html">https://www.electronics-tutorials.ws/transformer/transformer-basics.html</a><br><br><a href="https://byjus.com/physics/resistors-in-series-parallel/">https://byjus.com/physics/resistors-in-series-parallel/</a>  |
|                   | Object Oriented Program with C++              | <a href="https://fresh2refresh.com">https://fresh2refresh.com</a><br><a href="https://msdn.microsoft.com">https://msdn.microsoft.com</a>  |
|                   | Maintenance of Electronics Equipments         | <a href="https://www.academia.edu/39233161/Basic_Parts_of_DSLR_Camera_and_Their_Functions_with_Pictures">https://www.academia.edu/39233161/Basic_Parts_of_DSLR_Camera_and_Their_Functions_with_Pictures</a><br><br><a href="https://www.electrical4u.com/dipole-antenna/">https://www.electrical4u.com/dipole-antenna/</a><br><br><a href="https://www.elprocus.com/cro-cathode-ray-oscilloscope-working-and-application/">https://www.elprocus.com/cro-cathode-ray-oscilloscope-working-and-application/</a>   |
| I B.Sc.Physics    | Mechanics and Relativity                      | <a href="https://www.colorado.edu">https://www.colorado.edu</a> >phys5430<br><a href="https://www.khanacademy.org">https://www.khanacademy.org</a> >physics   |
|                   | Properties of matter and Acoustics            | <a href="https://testbook.com/physics/derivation-of-bending-equation">https://testbook.com/physics/derivation-of-bending-equation</a><br><a href="https://www.toppr.com/guides/physics/oscillations/simple-harmonic-motion/">https://www.toppr.com/guides/physics/oscillations/simple-harmonic-motion/</a><br><a href="https://superscienceteacher.weebly.com/uploads/2/2/6/1/22/616622/properties_of_matter.pdf">https://superscienceteacher.weebly.com/uploads/2/2/6/1/22/616622/properties_of_matter.pdf</a>   |
|                   | Optics  | <a href="http://www.physics-and-radio-electronics.com">http://www.physics-and-radio-electronics.com</a> ><br><a href="http://www.microscopyu.com">http://www.microscopyu.com</a><br><a href="https://www.meetoptics.com/academy/optical-aberrations?srsId=AfmBOopt73xWGmhAT7SJZ71-KWhwumyFTyu-aHYx2jWh2MQbZBc5dU3E">https://www.meetoptics.com/academy/optical-aberrations?srsId=AfmBOopt73xWGmhAT7SJZ71-KWhwumyFTyu-aHYx2jWh2MQbZBc5dU3E</a><br><a href="http://www.olympus-lifescience.com">http://www.olympus-lifescience.com</a><br><a href="https://phys.libretexts.org/Bookshelves/Optics">https://phys.libretexts.org/Bookshelves/Optics</a> |
|                   | Thermal Physics and Statistical Mechanics     | <a href="http://www.thermopedia.com">www.thermopedia.com</a> >content<br><a href="https://www.allaboutscience.org">https://www.allaboutscience.org</a><br><a href="https://www.kullabs.com">https://www.kullabs.com</a>   |
|                   | Astro Physics                                 | <a href="https://www.space.com/26218-astrophysics.html">https://www.space.com/26218-astrophysics.html</a><br><a href="https://science.nasa.gov/mission/hubble/">https://science.nasa.gov/mission/hubble/</a><br><a href="https://rathnaphysicsapcm.blogspot.com/">https://rathnaphysicsapcm.blogspot.com/</a>   |
|                   | Professional English for Physical Sciences I  | <a href="https://www.bdu.ac.in/academics/syllabi/2020/Professional-English/Semester-I/Physical-Sciences-I/Physical%20Science-I%20(%20Book).pdf">https://www.bdu.ac.in/academics/syllabi/2020/Professional-English/Semester-I/Physical-Sciences-I/Physical%20Science-I%20(%20Book).pdf</a>   |
|                   | Professional English for Physical Sciences II | <a href="https://syllabus.b-u.ac.in/tansche/peps_sem2.pdf">https://syllabus.b-u.ac.in/tansche/peps_sem2.pdf</a>   |