

| Programme Name | Outline of the Syllabus (Blocks and Units details) | Source of Self Learning Material (Self-Prepared/Borrowed from...) | Reference of Self Learning Material (List of reference books mentioned in the syllabus) |
|---|--|--|--|
| B.Sc.(Physical Sciences) – Physics Core Papers | B.Sc.(Physics) – I Sem Title: Mechanics (Separate file is attached) | Self Prepared w.e.f. 2019-2020 | Elements of Mechanics - K.Rama Reddy, S.Raghavan and D.V.N.Sarma Mechanics by Kittel (Berkely Vol - I) Mechanics by Mathur Physics – Resnick & Halliday (Latest edition) (5th & 6th) Unified Physics – Vol-I - S.L.Gupta & Sanjeev Gupta Unified Physics_ Vol-I - Agrawal & Agrawal Common core physics – Vol-I - Vikas University Physics – W.Sears, N.Zemansky, D.Young (6 th edition) |
| | B.Sc.(Physics) – II Sem Title: Electricity and Magnetism (Separate file is attached) | Self Prepared w.e.f. 2019-2020 | D.J. Griffiths, Introduction to Electrodynamics, 3rd Edn, 1998, Benjamin Cummings. Electricity and Magnetism, Edward M. Purcell, 1986, McGraw-Hill Education Electricity and Magnetism, J.H. Fewkes & J. Yarwood. Vol.I, 1991, Oxford Univ. Press. Electricity and Magnetism, D C Tayal, 1988, Himalaya Publishing House University Physics, Ronald Lane Reese, 2003, Thomson Brooks/Cole. 12 |
| | B.Sc.(Physics) – III Sem Title: Waves and Optics | SLM writing is in progress | Separate file is attached. |
| | B.Sc.(Physics) – IV Sem Title: Thermal Physics | SLM writing is in progress | Separate file is attached. |
| | B.Sc.(Physics) – V Sem Title: Digital, Analog and Instrumentation | SLM writing is in progress | Separate file is attached. |
| | B.Sc.(Physics) – VI Sem Title: Elements of Modern Physics | SLM writing is in progress | Separate file is attached. |