

FLOW CHART AND SCHEME OF B.Sc. (HONS) PHYSICS 2018-21

Sem	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	GP	Cont hrs	Credits
I	Waves & Oscillations PYL 101 (3-0-0)3	Mathematical Physics I PYL 104 (3-1-0)4	Applied Mechanics PYL 103 (3-1-0)4	Electricity and Magnetism PYL 105 (3-0-2)4	Effective Communication-I CLL 101 (1-0-2) 2	Engg. Chemistry ASL 130 (2-0-2)3	PYR 100 1	23	21
II	Optics PYL 102 (3-1-2) 5	Leadership SML150 (2 1 0) 3	Solid State Physics PYL 106 (3-0-2) 4	Quantum Mechanics PYL 108 (3-0-0)3	Effective Communication-II CLL 102 (1-0-2)2		PYR 110 1	20	18
III	Electromagnetic Theory PYL 201 (3-0-2) 4	Thermal Physics PYL203 (3-0-2) 4	Statistical Mechanics PYL 205 (3-1-0) 4	Prog . Elec. I Lasers/ Nuclear, Particle and Astrophysics/ Fundamentals of Electronic Communication PYL110 (3-1-0)4	EVS ASL 140 (3-0-0) 3	Foreign Language Elective (1 2 0)3	PYR 200 1	24	23
IV	Atomic and Molecular Physics PYL204 (3-1-2) 5	Entrepreneurship SML300 (2 1 0) 3	Prog .Elec. II Non Linear Optics/Biophysics/ Polymer Composites ASL 310 (3-0-2)4	Open Elective II (3)3	CLL 120 Human Values (2-0-0)2	Open Elective I (3) 3	PYR 220 1	22	21
V	Numerical Analysis MAL310 (3-0-2) 4	Digital Electronics PYL 301 (3-1-2) 5	Prog .Elec.III (MOOC) Experimental and analytical Techniques/Fiber Optics/Microprocessor PYL303 (3-0-2)4	Open Elective III (3)3	Mathematical Physics II PYL202 (3-1-0) 4		PYR 300 1	23	21
VI	Nuclear and Particle Physics PYL 302 (3-1-0)4	Electronic Devices PYL 304 (3-1-0)4	Prog . Elec. IV (MOOC) Optical Communication/ Thin films and Nanomaterials (3-0-2)4	Open Elective IV (3)3	Project (0-0-6)3	Creativity and innovation outcome (1)	PYR 330 1	16	20
Total								123	124

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Flowchart of Prerequisites

