



Expert Institute for IIT-JEE & NEET

PHYSICS LECTURE SCHEDULE & SEQUENCE : GLADIATOR COURSE		
S.No.	Topic	No. of lecture
1.	Kinematics	6
2.	Newton's Law, Force and Friction	7
3.	Circular motion, Work, Power & Energy	8
4.	Centre of mass, Momentum & Collision	7
5.	Rotational Dynamics	10
6.	Simple Harmonic Motion	5
7.	Mechanical Waves	8
8.	Electrostatics	18
9.	Gravitation	5
10.	Current Electricity	12
11.	Capacitance	10
12.	Magnetic Effect of Current	13
13.	Electromagnetic Induction & AC	16
14.	Geometrical Optics	16
15.	Electromagnetic Waves & Wave Optics	13
16.	Modern Physics	14
17.	Semiconductor & Communication System	9
18.	Experiments & Instruments	3
MATHS LECTURE SCHEDULE & SEQUENCE : GLADIATOR COURSE		
S.No.	Topic	No. of lecture
1.	Quadratic Equation	3
2.	Compound Angle	4
3.	Relation & Function	18
4.	Method of differentiation	2
5.	LCD	10
6.	Application of derivative	12
7.	Matrix and Determinant	10

8.	Indefinite Integration	5
9.	Definite Integration	5
10.	Area Under Curve	2
11.	Differential Equation	3
12.	Vector & 3D	7
13.	Permutation & Combination	3
14.	Probability	4
15.	Complex Number	3
16.	Progression	2
17.	Trigonometric Equation	1
18.	Solution of triangle	4
19.	Binomial Theorem	2
20.	Straight Line	4
21.	Circle	3
22.	Parabola	2
23.	Ellipse	2
24.	Hyperbola	2
25.	Reasoning & Statistics	2

**INORGANIC & PHYSICAL CHEMISTRY LECTURE SCHEDULE & SEQUENCE :
GLADIATOR COURSE**

S.No.	Topic	No. of lecture
1.	Mole Concept	6
2.	Atomic Structure	7
3.	General chemistry and periodic table	4
4.	Chemical Bonding	20
5.	Gaseous state	9
6.	Redox reactions	4
7.	Chemical Equilibrium	3
8.	Ionic Equilibrium	8
9.	Thermodynamics & Thermochemistry	14
10.	Chemical kinetics	8
11.	Electrochemistry	10
12.	Liquid solution	6

13.	Solid State	6
14.	Surface Chemistry	6
15.	Coordination Compound	10
16.	Metallurgy	5
17.	Types of reactions	8
18.	Types of reactions	8
19.	Block Chemistry	16
20.	Environmental chemistry	2

ORGANIC CHEMISTRY LECTURE SCHEDULE & SEQUENCE : GLADIATOR COURSE

S.No.	Topic	No. of lecture
1.	IUPAC Naming	6
2.	General Organic Chemistry	15
3.	Isomerism	15
4.	Hydrocarbon	15
5.	Alkyl halide & Alcohol, Ether	15
6.	Grignard Reagent	4
7.	Oxidation & Reduction	3
8.	Aldehyde, Ketone and Carboxylic acid	7
9.	Amines	3
10.	Biomolecules & Polymers	6
11.	Aromatic Chemistry	8
12.	Chemistry in everyday life	4