



# Weightage Analysis of All India Engineering Entrance Examination [AIEEE-2011]

## PART-2 (11-05-2011)

### PAPER-1


### CHEMISTRY

Topic ↓	MM →	Total
<b>Physical Chemistry-I</b>		<b>44</b>
Stoichiometry (Mole-1, 2)		8
Atomic Structure		4
Gaseous State		8
Thermodynamics and Thermochemistry		12
Chemical Equilibrium		
Ionic Equilibrium		12
<b>Physical Chemistry-II</b>		<b>16</b>
Chemical Kinetics		4
Electrochemistry		4
Solid State		4
Colligative Properties		4
Surface Chemistry		
Nuclear Chemistry		
<b>Inorganic Chemistry-I</b>		<b>20</b>
Periodic Table & Periodicity in Properties		4
Chemical Bonding		8
p-block		4
s-block		4
<b>Inorganic Chemistry-II</b>		<b>8</b>
Transition Elements and Coordination Chemistry		8
Metallurgy		
d-block & f-block		
Qualitative Analysis		
<b>Organic Chemistry-I</b>		<b>4</b>
General Organic Chemistry-I		
General Organic Chemistry- II		4
<b>Organic Chemistry-II</b>		<b>28</b>
Practical Organic Chemistry		
Alkane, Alkyl halides, GR		4
Alkenes, Alkynes		4
Alcohols And Ethers		4
Aldehydes and Ketones		
Aromatic Compound		8
Carbonyl compounds		
Carboxylic Acid and their Derivatives		
Amines		
Carbohydrates, Amino Acids and Polymers		8
Biochemistry		
Environmental chemistry		
<b>Total</b>		<b>120</b>

# PHYSICS

Topic ↓	MM →	
		TOTAL
<b>Electrodynamics</b>		<b>24</b>
Electrostatics		4
Current Electricity		4
Capacitance		4
Electro Magnetic Field		8
Electro Magnetic Induction		4
Alternating Current		
<b>Heat &amp; Thermodynamics</b>		<b>16</b>
Calorimetry & Thermal Expansion		8
KTG		
Heat Transfer		8
<b>SHM &amp; Waves</b>		<b>12</b>
SHM		4
Sound Waves		
String Wave		8
<b>Optics</b>		<b>16</b>
Geometrical Optics		8
Wave Optics		8
<b>Mechanics</b>		<b>32</b>
Unit & Dimension		
Error in Measurement		4
Rectilinear Motion & Vectors		
Projectile Motion		
Relative Motion		
Newton's Laws of Motion		4
Friction		4
Work, Power & Energy		4
Circular Motion		
Centre of Mass		
Rigid Body Dynamics		4
Gravitation		4
Fluid Mechanics & Properties of Matter		8
<b>Modern Physics</b>		<b>20</b>
Modern Physics		8
Semiconductors		4
Electromagnetic waves & communication		8
<b>Total</b>		<b>120</b>

# MATHEMATICS

Topic 	Total
<b>Basics</b>	
<b>Co-ordinate Geometry (2-D)</b>	<b>16</b>
Straight line	8
Circle	4
Parabola	
Ellipse	
Hyperbola	4
<b>Algebra</b>	<b>36</b>
Complex number	
Binomial Theorem	
Sequence & Series	4
Permutation & Combination	4
Quadratic equation	8
Matrices & Determinants	12
Probability	4
Mathematical induction	4
<b>Trigonometry</b>	<b>4</b>
Solution of triangle	
Trigo. Ratio & identities	
Trigonometric equation	4
Inverse Trigonometric function	
Height & distance	
<b>Differential Calculus</b>	<b>24</b>
Sets & Relation	4
Functions	4
Limit of function	4
Continuity & Derivability	8
Maxima & Minima	4
Monotonicity, curvature and mean theorems	
Differentiation (MOD)	
Tangent & Normal	
<b>Integral Calculus</b>	<b>16</b>
Indefinite integration	
Definite integration	4
Area under curve	4
Differential equation	8
<b>Statics</b>	
<b>Dynamics</b>	
<b>Statistics</b>	<b>4</b>
<b>Mathematical Reasoning</b>	<b>4</b>
<b>Co-ordinate Geometry (3-D)</b>	<b>8</b>
<b>Vector</b>	<b>8</b>
<b>Total</b>	<b>120</b>