



**Resonance**  
Educating for better tomorrow

IIT-JEE | AIPMT | AIEEE | OLYMPIADS | KVPY | NTSE

**Analysis of AIPMT 2011 (Mains)**

**Physics**

S.No.	Topic	No. of Questions
1	Introduction & Measurement	1
2	Description of Motion in One Dimension	1
3	Description of Motion in Two & Three Dimensions	1
4	Laws of Motion	2
5	Work, Energy & Power	0
6	Rotational Motion	1
7	Gravitation	2
8	Heat Thermodynamics	1
9	Oscillations	1
10	Waves	1
11	Electrostatics	2
12	Current Electricity	2
13	Thermal and Chemical Effects of Currents	1
14	Magnetic Effect of Currents	1
15	Magnetism	1
16	Electromagnetic Induction & Alternating Currents	3
17	Electromagnetic Waves (Qualitative Treatment)	0
18	Ray Optics & Optical Instruments	2
19	Electrons & Photons	1
20	Atoms, Molecules & Nuclei	3
21	Solids & Semiconductor Devices	3
	<b>Total</b>	<b>30</b>

**Chemistry**

S.No.	Topic	No. of Questions
1	Some basic concepts in Chemistry	1
2	States of Matter	1
3	Atomic Structure	1
4	Classification of Elements & Periodicity in Properties	1
5	Chemical Energetics	1
6	Chemical Bonding	2
7	Equilibrium	1
8	Redox Reactions	0
9	Solid State Chemistry	1
10	Chemical Thermodynamics	0
11	Solutions	2
12	Chemical Kinetics	3
13	Electrochemistry	1
14	Surface Chemistry	0
15	Hydrogen	0
16	s-Block Elements (Alkali and Alkaline Earth Metals)	0
17	General Principles & processes of isolation of Elements	2
18	p-Block Elements	2
19	The d- & f-Block Elements	0
20	Coordination Compounds	2
21	Some Basic Principles of Organic Chemistry	4

22	Hydrocarbons	0
23	Purification & Characterization of Carbon Compounds	0
24	Organic Compounds with Functional Groups Containing Halogens (X)	1
25	Organic Compounds with Functional Groups Containing Oxygen	2
26	Organic Compounds with Functional Groups Containing Nitrogen	0
27	Polymers	0
28	Environmental Chemistry	0
29	Biomolecules	2
30	Chemistry in Everyday Life	0
	<b>Total</b>	<b>30</b>

**Biology**

S.No.	Topic	No. of Questions
1	Diversity in Living Word	
	(a) Animal Classification	1
	(b) Plant Classification	4
2	Cell: The Unit of Life; Structure & Function	5
3	Genetics & Evolution	
	(a) Genetics	1
	(b) Molecular Biology	0
	(c) Evolution	0
4	Structure & Function - Plants	
	(a) Plant Anatomy	1
	(b) Plant Morphology	3
	(c) Plant Physiology	5
5	Structure & Function - Animals	
	(a) Histology	2
	(b) Lower Organisms	4
	(c) Human Physiology	8
6	Reproduction, Growth and Movement in Plants	
	(a) Reproduction	2
	(b) Growth & Movements	0
7	Reproduction & Development in Humans	5
8	Ecology & Environment	7
9	Biology & Human Welfare	
	(a) Domestication of Animals	0
	(b) Immunology & Disease	4
	(c) Domestication of Plants	1
10	Biotechnology & Its Applications	7
	<b>Total</b>	<b>60</b>