

RE-AIPMT – 2015

A Detailed Analysis (Cut-off, Answer Key, Solution and Subject-Wise Discussion) by Resonance

On 25th July- 2015, AIPMT-2015 (Re-Test) was conducted for entrance into state and national level medical colleges for MBBS, BDS, BAMS, BHS courses under strict supervision as the original edition was cancelled by Hon'ble Supreme Court of India due to a high-tech cheating racket exposed at various part of India. Last exam was conducted on 3rd May-2015. The pattern and syllabus of exam remained same as that that of previous one. Around 6.35 Lakh students are stated to appear for this exam.

Details of AIPMT

Some states/ UTs have fully opted for AIPMT–2015 (national level) and will fill 100% of Govt. Medical & Dental seats on the basis of AIPMT-2015 and these states are Haryana, Himachal Pradesh, Madhya Pradesh, Andaman & Nicobar Islands, Arunachal Pradesh, Manipur, Meghalaya, Odisha, Rajasthan, and Chandigarh. States those who have not opted fully for AIPMT–2015 will fill up their 15% of the Govt. Medical & Dental seats on the basis of AIPMT–2015 and rest 85% seats on the basis of their own State Level Medical Entrance Exam.

AIPMT–2015 was conducted in one paper consisting of 45 questions each from Physics and Chemistry, and 90 questions from Biology which consists of Zoology and Botany subjects. The exam was conducted on 03rd May from 10:00 am to 01:00 pm.

Given below is the subject wise detailed analysis of Re-AIPMT-2015 question paper:

Expected Cutoff

Re-AIPMT – 2015: TENTATIVE# CUTOFF TABLE			
CATEGORY	% RESERVATION	CUT-OFF MARKS#	% CUTOFF
Unreserved	50.5%	445	61.80%
OBC (NCL)	27.0%	441	61.25%
SC	15.0%	300	41.67%
ST	7.5%	292	40.56%
TOTAL	100.0%		

The Cut-off of Re-AIPMT – 2015 is estimated on the basis of Previous Year Data and Toughness Analysis of Re-AIPMT – 2015 Paper by Resonance Experts. These are not official data released by Authorities concerned.

Overall Marks Distribution

The paper pattern was same as last year. The paper had 180 questions each worth 4 marks. All questions were objective type with single correct option. If we talk about subject wise, then there were 45 questions from Physics and Chemistry, and 90 questions were from Biology (Zoology and Botany sections of Biology).

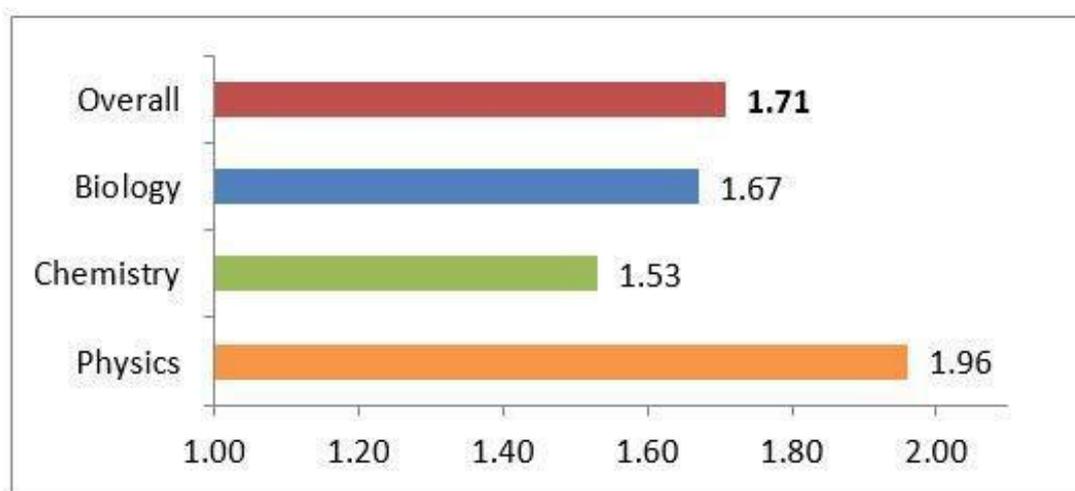
SUBJECT	Class 11		Class 12		Total	
	Total Ques.	Total Marks	Total Ques.	Total Marks	Total Ques.	Total Marks
Physics	25	100	20	80	45	180
Chemistry	18	72	27	108	45	180
Biology	46	184	44	176	90	360
Grand Total	89	356	91	364	180	720

Overall Difficulty Level Analysis

In this analysis we have rated every question on a scale of 1 to 3. The ratings are done by expert faculty of Resonance. The individual ratings are then averaged to calculate overall difficulty level.

- 1: Easy
- 2: Moderate
- 3: Difficult

Subject	Difficulty Level
Physics	1.96
Chemistry	1.53
Biology	1.67
Overall	1.71



Difficulty Level Analysis: No of Questions

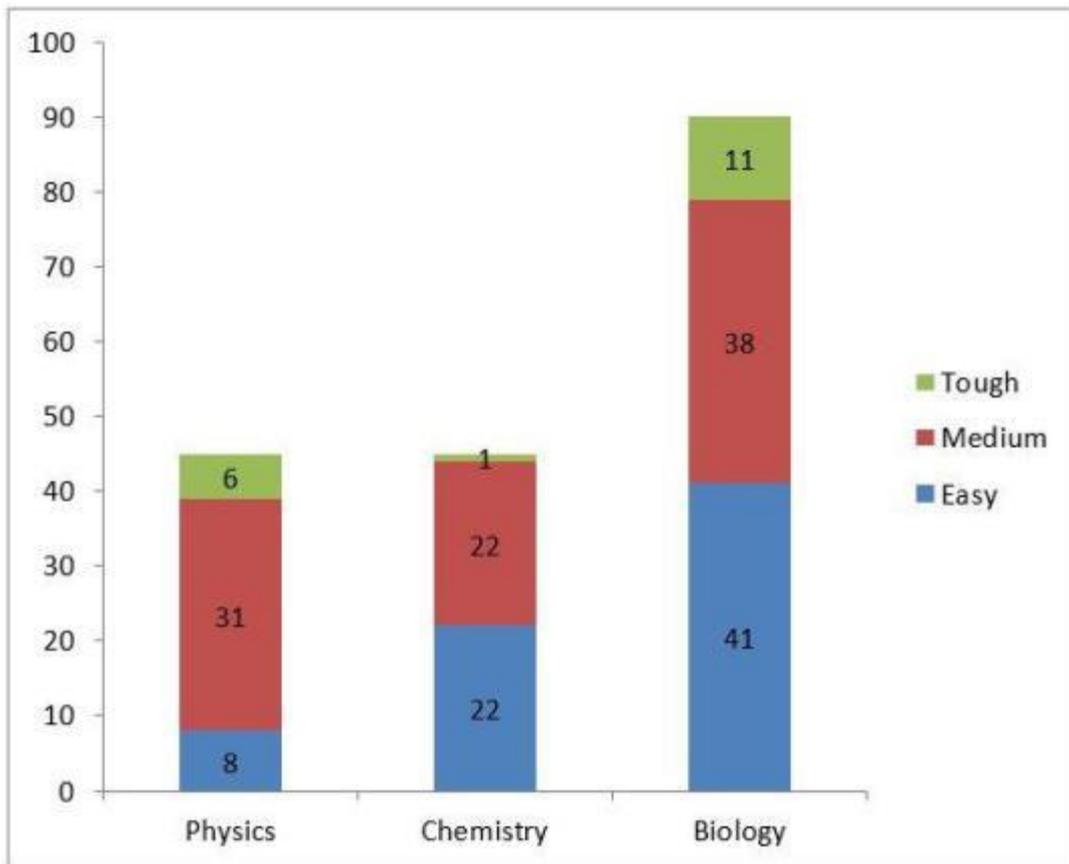
Resonance Experts feel that all Chemistry was at easier side compared to Physics and Biology. Compared to last year, Physics was on easier side with relative to Chemistry & Biology. While around 284 marks can be considered easy overall, 364 marks are moderately difficulty and 72 marks are considered difficult by Resonance Team

Subject	Easy Level		Medium Level		Difficult Level	
	Total Ques.	Total Marks	Total Ques.	Total Marks	Total Ques.	Total Marks
Physics	08	32	31	124	06	24
Chemistry	22	88	22	88	01	04
Biology	41	164	38	152	11	44
Grand Total	71	284	91	364	18	72

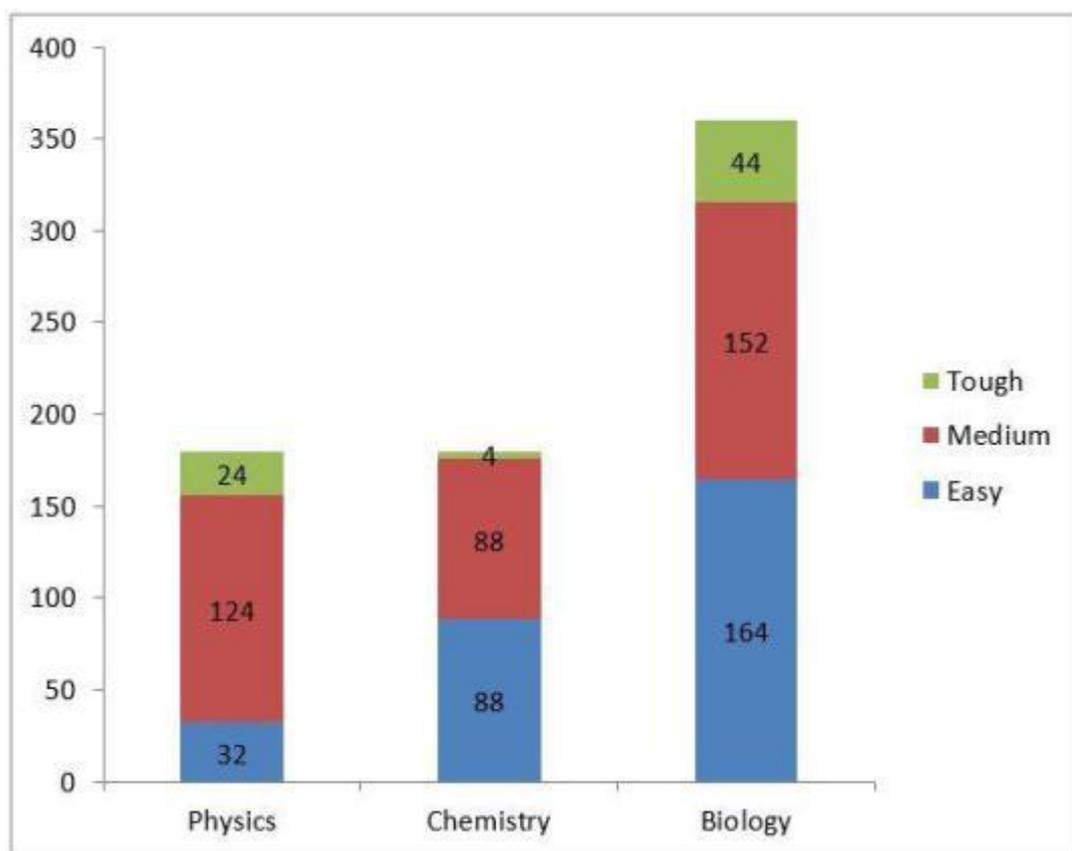
Overall, it is felt by Resonance Faculty Team that paper was on easier side compared to last year and the cut-off is expected to be higher than that of last year.

If we compare the same paper with that of May-2015, Physics is on tougher side this time while Chemistry and Biology are on easier side. Also, Re-AIPMT-2015 paper is easier than that of May-2015 paper.

Question Wise Difficulty Breakup



Marks Wise Difficulty Breakup



PHYSICS ANALYSIS

Topic wise Allocation of Marks			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
ALTERNATING CURRENT	1	4	2.2%
Alternating Current	1	4	2.2%
CAPACITANCE	1	4	2.2%
Parallel Plate Capacitor	1	4	2.2%
CENTRE OF MASS	1	4	2.2%
Oblique Collision	1	4	2.2%
CIRCULAR MOTION	2	8	4.4%
Centripetal Acceleration	1	4	2.2%
Horizontal Circular Motion	1	4	2.2%
CURRENT ELECTRICITY	3	12	6.7%
Ammeter	1	4	2.2%
Conductivity	1	4	2.2%
Potentiometer	1	4	2.2%
ELECTROMAGNETIC FIELD & FORCE	2	8	4.4%
Magnetic Force	1	4	2.2%

Magnetic Torque on a Current Carrying Loop	1	4	2.2%
ELECTROMAGNETIC INDUCTION	1	4	2.2%
Lenz's Law	1	4	2.2%
ELECTROSTATICS	1	4	2.2%
Potential	1	4	2.2%
Fluid Mechanics	2	8	4.4%
Streamline Flow	1	4	2.2%
Continuity Equation	1	4	2.2%
FRICTION	1	4	2.2%
Coefficient of Friction	1	4	2.2%
GEOMETRICAL OPTICS	3	12	6.7%
Instruments	1	4	2.2%
Young's Double Slit Experiment	1	4	2.2%
Chromatic Dispersion	1	4	2.2%
GRAVITATION	2	8	4.4%
Kapler's Law	1	4	2.2%
Circular Motion of Satellite around a Planet	1	4	2.2%
MODERN PHYSICS	4	16	8.9%
Bohr Model	1	4	2.2%
DeBroglie Hypothesis	1	4	2.2%
Nuclear Physics	1	4	2.2%
Photoelectric Effect	1	4	2.2%
PROPERTIES OF MATTER	2	8	4.4%
Elasticity	1	4	2.2%
Surface Tension	1	4	2.2%
RECTILINEAR MOTION	1	4	2.2%
Equation of Motion	1	4	2.2%
ROTATIONAL DYNAMICS	3	12	6.7%
Angular Momentum	1	4	2.2%
Moment of Inertia	1	4	2.2%
Torque	1	4	2.2%
SEMICONDUCTOR DEVICES	2	8	4.4%
Diode	1	4	2.2%
Transistors	1	4	2.2%
SIMPLE HARMONIC MOTION	1	4	2.2%
Equation of SHM	1	4	2.2%
SOUND WAVES	2	8	4.4%
Doppler Effect	1	4	2.2%
Speed of Sound Waves	1	4	2.2%

STRING WAVES	1	4	2.2%
Standing Waves	1	4	2.2%
THERMODYNAMICS	4	16	8.9%
Second Law	1	4	2.2%
Thermal Expansion	1	4	2.2%
Adiabatic Process	1	4	2.2%
Ideal Gas Equation	1	4	2.2%
WORK, POWER, AND ENERGY	1	4	2.2%
Power	1	4	2.2%
ELECTROMAGNETIC WAVES	1	4	2.2%
Wavelength Spectrum	1	4	2.2%
RELATIVE MOTION	1	4	2.2%
Condition for Collision	1	4	2.2%
WAVE OPTICS	1	4	2.2%
Diffraction	1	4	2.2%
MATHEMATICAL TOOLS	1	4	2.2%
Vector	1	4	2.2%
GRAND TOTAL	45	180	100.0%

CHEMISTRY ANALYSIS

Topic wise Allocation of Marks			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS (%)	WEIGHTAGE
Inorganic Chemistry	15	60	33.3%
Chemical Bonding	1	4	2.2%
D Block	1	4	2.2%
Metallurgy	1	4	2.2%
P Block	4	16	8.9%
Periodic Table	3	12	6.7%
Coordination Compound	4	16	8.9%
S Block	1	4	2.2%
Organic Chemistry	15	60	33.3%
Alcohol	2	8	4.4%
Aromatic Compounds (Phenol)	1	4	2.2%
Carbonyl Compounds	1	4	2.2%
Aromatic Compounds (Aniline)	2	8	4.4%
Reaction Mechanism (Nucleophile)	1	4	2.2%
Polymers	1	4	2.2%
Reaction Mechanism (SN1)	1	4	2.2%
Ester	1	4	2.2%
Oxidation	1	4	2.2%

Stereo Isomers (Optical)	1	4	2.2%
Structural Isomers	1	4	2.2%
Hydrocarbons	2	8	4.4%
Physical Chemistry	15	60	33.3%
Gaseous State	1	4	2.2%
Chemical Equilibrium	1	4	2.2%
Chemical Kinetics	1	4	2.2%
Ionic Equilibrium	2	8	4.4%
Mole Concept	5	20	11.1%
Solid State	2	8	4.4%
Solution & Colligative Properties	1	4	2.2%
Electro-chemistry	1	4	2.2%
Thermo-Chemistry	1	4	2.2%
Grand Total	45	180	100.0%

BIOLOGY ANALYSIS

UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
ANIMAL KINGDOM	5	20	5.6%
Arthropoda	1	4	1.1%
Cyclostomata	1	4	1.1%
Memelia	1	4	1.1%
Porifera	2	8	2.2%
APPLICATION BIOLOGY	5	20	5.6%
Application of Biotechnology	1	4	1.1%
Biotechnology Principle & Process	2	8	2.2%
Plant Breeding	1	4	1.1%
Principle of Biotechnology and Process	1	4	1.1%
BODY FLUIDS AND CIRCULATION	2	8	2.2%
Body Fluids and circulation	1	4	1.1%
Cardiac Cycle	1	4	1.1%
BREATHING AND EXCHANGE OF GASES	1	4	1.1%
Disorders	1	4	1.1%
Cell Biology	10	40	11.1%
Basic Unit of Life	5	20	5.6%
Bio Molecule	1	4	1.1%
Biomolecule	1	4	1.1%
Cell Division	1	4	1.1%
Chromosome	1	4	1.1%

Chemical Control and Coordination	2	8	2.2%
Adrenal Gland	1	4	1.1%
Pituitary Gland	1	4	1.1%
Digestion and Absorption	2	8	2.2%
Physiology of Digestion	1	4	1.1%
Teeth	1	4	1.1%
Ecology	12	48	13.3%
Biodiversity Conservation	1	4	1.1%
Eco System	2	8	2.2%
Environmental Issues	5	20	5.6%
Organism and Population	4	16	4.4%
Evolution	2	8	2.2%
Evidences of evolution	1	4	1.1%
Natural Friction	1	4	1.1%
Excretory System	1	4	1.1%
Physiology of Urine Formation	1	4	1.1%
Genetics	8	32	8.9%
Molecular Basis of Inheritance	2	8	2.2%
Principle of inheritance and variations	6	24	6.7%
Human Health and Disease	3	12	3.3%
Common Human Disease	1	4	1.1%
Immune System	2	8	2.2%
Human Reproduction	5	20	5.6%
Human Reproduction	2	8	2.2%
Menstruation Cycle	1	4	1.1%
Reproductive Health	2	8	2.2%
Locomotion and Movement	2	8	2.2%
Joints	1	4	1.1%
Skeletal system	1	4	1.1%
Microbs in human welfare	1	4	1.1%
Microbs in human welfare	1	4	1.1%
Nerual Control and Coordination	1	4	1.1%
Human Eye	1	4	1.1%
Nerual control and acoordination	1	4	1.1%
Spinal Cord	1	4	1.1%
Plant Anatomy	1	4	1.1%
Secondary Growth	1	4	1.1%
Plant Diversity	7	28	7.8%
Bio Classification and Plant Kingdom	1	4	1.1%
Biological Classification	1	4	1.1%
Biological Classification – Fungi	1	4	1.1%

Biological Classification-Virus	1	4	1.1%
Biological Classification – Kingdom Monera	1	4	1.1%
Biological – Kingdom Fungi	1	4	1.1%
Biological – Kingdom Protista	1	4	1.1%
Plant Morphology	3	12	3.3%
Flower	3	12	3.3%
Plant Physiology	5	20	5.6%
Mineral Nutrition	1	4	1.1%
Photosynthesis	2	8	2.2%
Plant Growth and Development	1	4	1.1%
Transfer in plant	1	4	1.1%
Plant Physiology	1	4	1.1%
Transfer in Plant	1	4	1.1%
Reproduction in Flowering Plants	6	24	6.7%
Reproduction in Flowering Plants	6	24	6.7%
Reproduction in Organism	1	4	1.1%
Reproduction in Organism	1	4	1.1%
Strategies for Enhancement of Food Production	1	4	1.1%
Animal Breeding	1	4	1.1%
Structural Organization in Animals	2	8	2.2%
Animal Tissues	1	4	1.1%
Cockroach	1	4	1.1%
Grand Total	90	360	100.0%

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- For Re-AIPMT 2015 Answer Key, Solution and Subject-Wise Discussion Please [Click Here](#)

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