

AIPMT 2015 Paper Analysis

Broadly the subject wise classification of the paper can be given as follows:

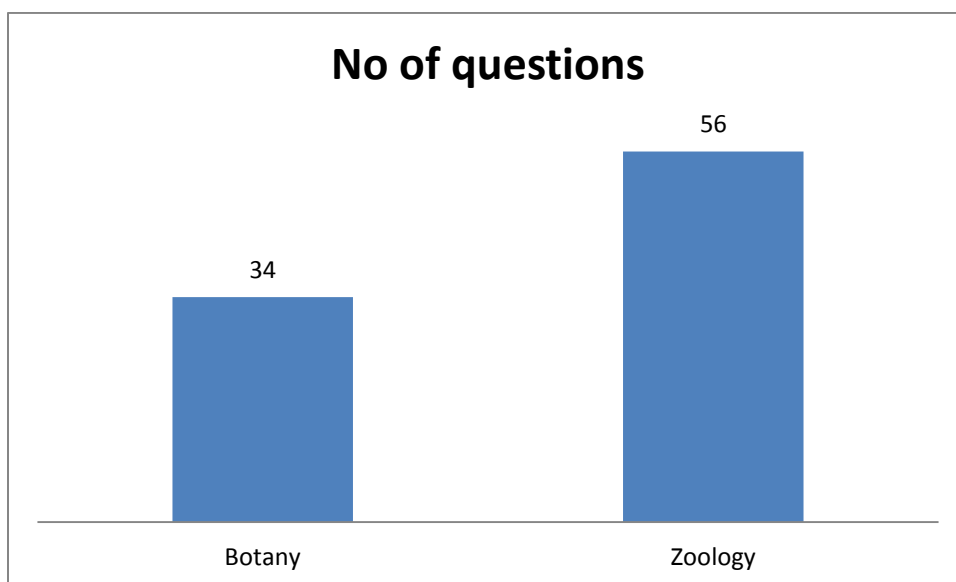
Biology:

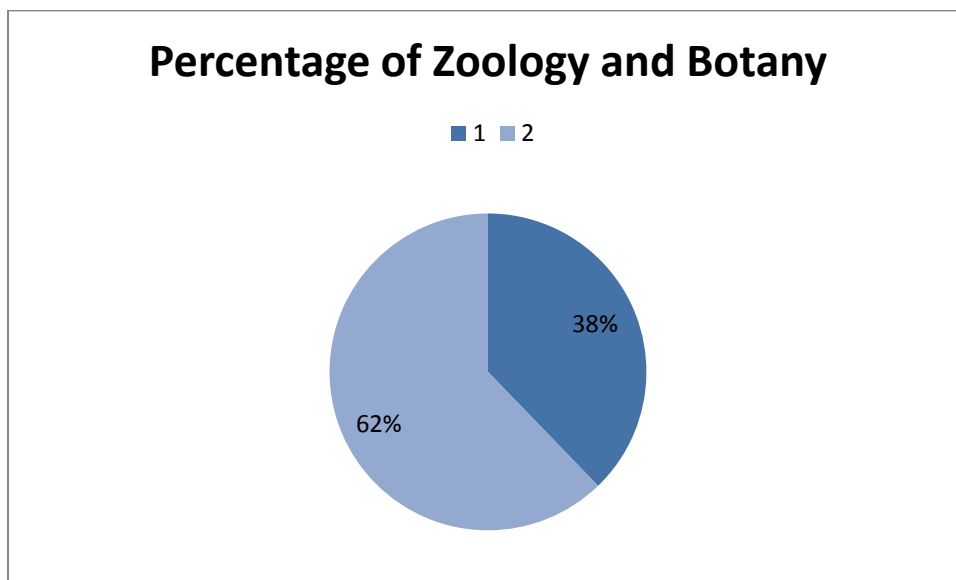
	Number of Questions	Total Marks	% of Questions
Zoology	56	224	62.22%
Botany	34	136	37.78%

Therefore, as it can be seen, the percentage of questions in Zoology is more than that of Botany. The detailed classification goes as follows:

Subject	Topics	Number of Questions	Marks	Percentage
Zoology	Biological classification	4	16	4.44%
Botany	Plant Kingdom	2	8	2.22%
Zoology	Animal Kingdom	3	12	3%
Botany	Morphology of Flowering Plants	2	8	2%
Botany	Anatomy of flowering Plants			
Zoology	Structural Organization in Animals	1	4	1.11%
Zoology	The Cell: Unit of Life	6	24	6.67%
Zoology	Biomolecules	1	4	1.11%
Zoology	Cell Cycle & Cell Division	2	8	2%
Zoology	Enzymes			
Botany	Transport in Plants	3	12	3%
Botany	Mineral Nutrition	4	16	4%
Botany	Respiration in Plants	2	8	2%
Botany	Plant Growth & Development	1	4	1%
Zoology	Digestion & Absorption	2	8	2%
Zoology	Breathing and Exchange of Gases			
Zoology	Body Fluids and Circulation	5	20	6%
Zoology	Excretory Products and their Elimination	2	8	2%
Zoology	Locomotion and movement	2	8	2%
Zoology	Neural Control and Coordination	2	8	2%
Zoology	Chemical coordination and regulation	3	12	3%
Zoology	Reproduction in Organisms	2	8	2%

Botany	Sexual Reproduction in Flowering Plant	7	28	8%
Zoology	Human Reproduction	3	12	3%
Zoology	Reproductive Health	1	4	1%
Zoology	Principles of Inheritance and Variation	9	36	10%
Zoology	Molecular Basis of Inheritance	1	4	1%
Zoology	Evolution	2	8	2%
Zoology	Human Health & Disease	1	4	1%
Botany	Strategies for Enhancement in Food Production	2	8	2%
Zoology	Biotechnology, Principles, processes and its Applications	4	16	4%
Botany	Organisms and Populations	1	4	1%
Botany	Ecosystem	6	24	7%
Botany	Biodiversity & Conservation			
Botany	Environmental Issues	4	16	4%





If we classify that based on the difficulty level, we can summarize it as follows:

	Easy	Medium	Difficult
Botany	9	19	7
Zoology	14	30	11

Final Review:

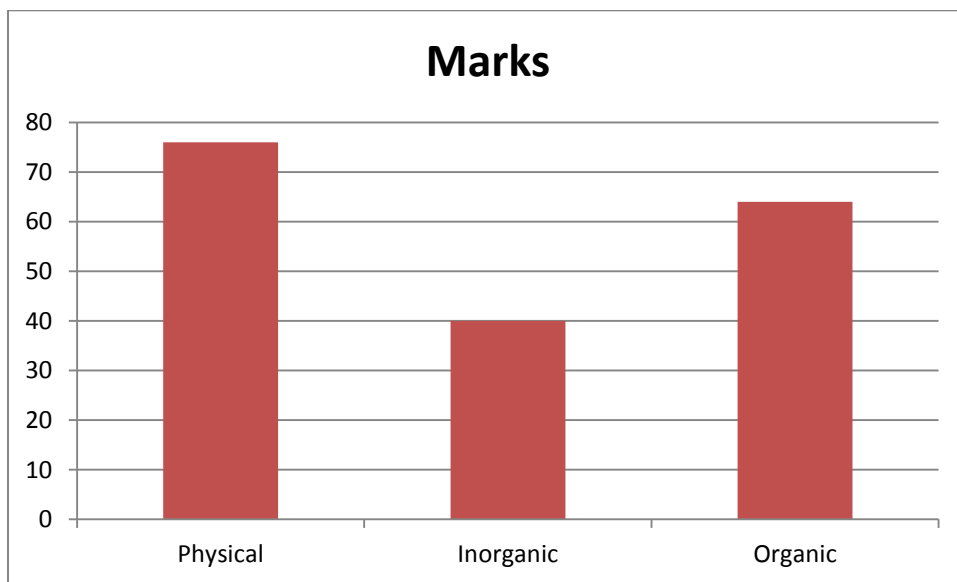
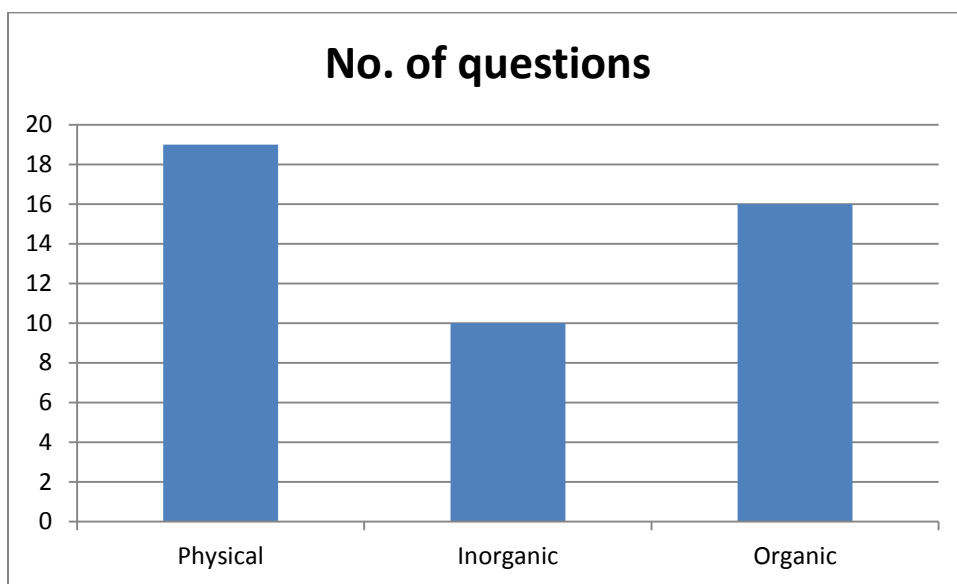
- ~40% questions are directly from NCERT.
- The level of difficulty of questions asked in Biology was standard.
- For qualifying the AIPMT, it seems that only NCERT books are not enough.
- The students should follow standard books beyond NCERT as about 40 percent of the Botany questions were beyond NCERT books and were difficult.
- Emphasis was given more on Zoology.
- Each of the 23 easy questions can be solved within 30 seconds.
- 18 difficult questions may consume 1-2 minutes.

Chemistry

	No. of questions	Marks	Percentage
Physical	19	76	42.22%
Inorganic	10	40	22.22%
Organic	16	64	35.56%

Therefore, as it can be seen, the percentage of questions in Physical is more than that of Organic and the least being in Inorganic. The detailed classification goes as follows:

Subjects	Topics	No. of questions	Marks	Percentage
Physical	Atomic structure	3	12	6.67%
Physical	Chemical Bonding	3	12	6.67%
Physical	Chemical Kinetics	2	8	4.44%
Physical	Chemical Thermodynamics	1	4	2.22%
Physical	Chemical equilibrium	1	4	2.22%
Physical	Ionic equilibrium	1	4	2.22%
Physical	Redox	1	4	2.22%
Physical	Electrochemistry	1	4	2.22%
Physical	Solutions	3	12	6.67%
Physical	Solid state	1	4	2.22%
Physical	Gaseous state	1	4	2.22%
Physical	Surface chemistry	1	4	2.22%
Inorganic	periodic properties	1	4	2.22%
Inorganic	S block	2	8	4.44%
Inorganic	P block	2	8	4.44%
Inorganic	D and F block	2	8	4.44%
Inorganic	Metallurgy	1	4	2.22%
Inorganic	Coordination	2	8	4.44%
Organic	Some basic concepts of organic chemistry	4	16	8.89%
Organic	Nomenclature of organic compounds	1	4	2.22%
Organic	Reaction mechanisms	4	16	8.89%
Organic	Biomolecules	1	4	2.22%
Organic	Polymers	1	4	2.22%
Organic	Alcohol phenols and ethers	2	8	4.44%
Organic	Aldehydes and ketones	2	8	4.44%
Organic	Chemistry in everyday life	1	4	2.22%



If we classify that based on the difficulty level, we can summarize it as follows:

	Easy	Average	Difficult
Physical	8	4	2
Organic	4	10	2
Inorganic	6	6	3

Final Review:

Regarding the conceptual part in the exam, the questions from organic and inorganic chemistry were quite conceptual and used the basic knowledge. These covered nearly 58% of the paper. Nearly 40% of the questions were from physical chemistry. As quite obvious, physical chemistry was once again asked involving more of easy but straight forward questions.

Regarding the difficulty level, 15% of the questions were of good level, the easy and average questions were almost of the same percentage.

Overall, the paper was not very easy but for those who have prepared the basics nicely, the paper was neither difficult also.

Physics

	No. of questions	Marks	Percentage
Alternating Current	1	4	2.20%
Capacitance	1	4	2.20%
Centre of Mass	1	4	2.20%
Circular Motion	2	8	4.40%
Current Electricity	3	12	6.70%
Electromagnetic Field and Force	2	8	4.40%
Electromagnetic Induction	1	4	2.20%
Electrostatics	1	4	2.20%
Fluid Mechanics	2	8	4.40%
Friction	1	4	2.20%
Geometrical Optics	3	12	6.70%
Gravitation	2	8	4.40%
Modern Physics	4	16	8.90%
Properties of Matter	2	8	4.40%
Rectilinear Motion	1	4	2.20%
Rotational Dynamics	3	12	6.70%
Semiconductor Devices	2	8	4.40%
Simple Harmonic Motion	1	4	2.20%

Sound Waves	2	8	4.40%
String Waves	1	4	2.20%
Thermodynamics	4	16	8.90%
Work, Power and Energy	1	4	2.20%
Electromagnetic Waves	1	4	2.20%
Relative Motion	1	4	2.20%
Wave Optics	1	4	2.20%
Mathematical Tools	1	4	2.20%
	45	180	100.00%

If we classify that based on the difficulty level, we can summarize it as follows:

	Easy	Average	Difficult
Physical	8	31	24

Final Review:

Regarding the conceptual part in the exam, the questions from Physics were quite conceptual and used the basic knowledge.

Overall, the paper was not very easy but for those who have prepared the basics nicely, the paper was neither difficult also.