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| **Physics Chapter wise Analysis (2006-2013)** |
|  | **Years** |
| S.No |  Chapters | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|  |  | Prelims | Prelims | Prelims | Prelims | Prelims | Mains | Prelims | Mains | Prelims | Mains | Prelims | NEET |  | NEET |
| 1. | Physical World and Units and Measurement | 1 | 1 | 2 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 |
| 2. | Motion in Straight Line | 1 | 3 | 3 | 3 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 |
| 3. | Motion in a Plane | 3 | 2 | 1 | 0 | 2 | 2 | 4 | 1 | 1 | 0 | 2 | 1 | 1 | 1 |
| 4. | Laws of Motion | 2 | 2 | 3 | 2 | 3 | 1 | 4 | 2 | 2 | 1 | 4 | 2 | 2 | 4 |
| 5. | Work, Energy and Power | 2 | 1 | 2 | 2 | 2 | 0 | 2 | 1 | 1 | 1 | 1 | 2 | 4 | 0 |
| 6. | System of Particles and Rotational Motion | 3 | 2 | 2 | 4 | 2 | 3 | 1 | 0 | 4 | 3 | 0 | 2 | 4 | 3 |
| 7. | Gravitation | 1 | 1 | 0 | 1 | 2 | 3 | 1 | 2 | 3 | 2 | 2 | 2 | 1 | 2 |
| 8. | Mechanical Properties of Solids | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 |
| 9. | Mechanical Properties of Fluids | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |   | 3 | 1 |
| 10. | Thermal Properties of Matter | 1 | 3 | 3 | 2 | 2 | 1 | 1 | 0 | 2 | 1 | 0 | 2 | 1 | 2 |
| 11. | Oscillations | 2 | 4 | 3 | 2 | 2 | 0 | 1 | 0 | 1 | 1 | 1 |   | 2 | 1 |
| 12. | Waves | 3 | 0 | 1 | 2 | 2 | 0 | 2 | 2 | 2 | 1 | 3 | 2 | 1 | 2 |
| 13. | Thermodynamics | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 4 | 2 |
| 14. | Kinetic Theory | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 1 |
| 15. | Electric Charges and Fields | 2 | 2 | 2 | 0 | 2 | 1 | 1 | 0 | 2 | 0 | 1 |   | 1 | 0 |
| 16. | Electrostatic Potential and Capacitance | 1 | 3 | 1 | 3 | 2 | 1 | 2 | 2 | 1 | 2 | 4 | 2 | 1 | 2 |
| 17. | Current Electricity | 5 | 4 | 5 | 5 | 4 | 0 | 2 | 3 | 4 | 3 | 4 | 3 | 3 | 2 |
| 18. | Moving Charges and Magnetism | 2 | 2 | 4 | 4 | 2 | 2 | 1 | 3 | 1 | 1 | 1 | 2 | 3 | 2 |
| 19. | Magnetism and Matter | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 0 | 2 | 1 | 1 | 1 | 0 | 1 |
| 20. | Electromagnetic Induction | 3 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 2 | 1 | 0 |   | 0 | 1 |
| 21. | Alternating Currents | 1 | 2 | 2 | 1 | 2 | 0 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 2 |
| 22. | Electromagnetic Waves | 0 | 2 | 1 | 1 | 1 | 2 | 3 | 0 | 1 | 1 | 0 | 2 | 1 | 1 |
| 23. | Ray Optics and Optical Instruments | 2 | 1 | 2 | 0 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 3 |
| 24. | Wave Optics | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 |
| 25. | Dual Nature of Radiation and Matter | 3 | 2 | 3 | 3 | 1 | 1 | 5 | 2 | 3 | 2 | 2 | 2 | 2 | 2 |
| 26. | Atoms | 2 | 2 | 3 | 3 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 |
| 27. | Nuclei | 3 | 4 | 2 | 1 | 4 | 1 | 5 | 1 | 2 | 1 | 1 | 2 | 1 | 2 |
| 28. | Semiconductor Electronics | 3 | 3 | 1 | 3 | 5 | 2 | 4 | 3 | 5 | 2 | 2 | 3 | 2 | 3 |
| 29. | Communication Systems | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total No. of Questions | 50 | 50 | 50 | 50 | 50 | 30 | 50 | 30 | 50 | 30 | 45 | 45 | 45 | 45 |
| % of question from Class XI | 44% | 40% | 42% | 48% | 40% | 43% | 40% | 37% | 40% | 40% | 49% | 47% | 56% |  47% |
| % of question from Class XII | 56% | 60% | 58% | 52% | 60% | 57% | 60% | 63% | 60% | 60% | 51% | 53% | 44% |  53% |

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| **Chemistry Chapter wise Analysis (2006-2013)** |
|  | **Years** |
| S.No | Chapters | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2014 | 2013 | 2015 | 2016 |
|  |  | Prelims | Prelims | Prelims | Prelims | Prelims | Mains | Prelims | Mains | Prelims | Mains | Prelims | NEET |  | NEET |
| 1. | Classification of Elements and Periodicity in Properties | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 1 |
| 2. | Hydrogen | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 3. | s-Block Element (Alkali and Alkaline earth metals) | 1 | 4 | 3 | 2 | 5 | 1 | 1 | 3 | 2 | 1 | 0 | 1 | 2 | 2 |
| 4. | Some p-Block Elements | 1 | 2 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 3 | 0 | 2 |
| 5. | Environmental Chemistry | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |   |
| 6. | General Principles and Processes of Isolation of Elements | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 0 | 0 | 1 | 1 | 1 |
| 7. | p- Block Elements | 3 | 5 | 1 | 3 | 2 | 2 | 1 | 1 | 6 | 0 | 2 | 3 | 3 | 2 |
| 8. | d and f Block Elements | 2 | 2 | 1 | 2 | 3 | 1 | 4 | 1 | 1 | 4 | 2 | 4 | 3 | 2 |
| 9. | Coordination Compounds | 3 | 2 | 2 | 2 | 3 | 1 | 3 | 1 | 1 | 2 | 1 | 1 | 2 | 1 |
| 10. | Organic Chemistry- Some Basic Principles and Techniques | 0 | 0 | 2 | 1 | 0 | 1 | 3 | 0 | 0 | 0 | 1 | 1 | 5 | 1 |
| 11. | Hydrocarbons | 1 | 2 | 3 | 4 | 3 | 2 | 3 | 2 | 2 | 1 | 3 | 5 | 3 | 3 |
| 12. | Haloalkanes and Haloarenes | 1 | 2 | 2 | 1 | 3 | 1 | 0 | 1 | 2 | 0 | 2 | 0 | 2 | 2 |
| 13. | Alcohols, Phenols and Ethers | 3 | 2 | 1 | 2 | 3 | 2 | 1 | 0 | 0 | 2 | 2 | 1 | 1 | 1 |
| 14. | Aldehydes, Ketones and Carboxylic Acids | 5 | 4 | 3 | 2 | 2 | 2 | 1 | 2 | 4 | 1 | 1 | 2 | 2 | 2 |
| 15. | Organic Compounds Containing Nitrogen | 1 | 1 | 1 | 1 | 3 | 1 | 3 | 2 | 0 | 2 | 2 | 1 | 1 | 2 |
| 16. | Biomolecules | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 4 | 0 | 2 | 0 | 0 | 3 |
| 17. | Polymers | 1 | 1 | 1 | 2 | 1 | 0 | 1 | 0 | 2 | 1 | 2 | 2 | 1 | 1 |
| 18. | Chemistry in Everyday Life | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 1 | 2 | 1 | 1 | 1 |
| 19. | Some Basic Concepts of Chemistry | 0 | 1 | 3 | 2 | 1 | 0 | 2 | 2 | 1 | 0 | 4 | 3 | 0 |   |
| 20. | Structure of Atom | 2 | 2 | 2 | 2 | 0 | 1 | 3 | 1 | 2 | 1 | 2 | 3 | 2 | 1 |
| 21. | Chemical Bonding and Molecular Structure | 4 | 1 | 3 | 3 | 4 | 2 | 3 | 2 | 2 | 2 | 2 | 5 | 3 | 3 |
| 22. | States of Matter: Gases and Liquids | 0 | 0 | 2 | 1 | 1 | 1 | 2 | 0 | 0 | 4 | 1 | 1 | 1 | 1 |
| 23. | Thermodynamics | 4 | 2 | 4 | 2 | 3 | 4 | 4 | 1 | 3 | 1 | 3 | 1 | 0 | 1 |
| 24. | Equilibrium | 3 | 4 | 4 | 3 | 4 | 1 | 2 | 1 | 3 | 3 | 3 | 0 | 2 | 2 |
| 25. | Redox Reactions | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 0 | 0 |   |
| 26. | Solid State | 2 | 2 | 3 | 2 | 1 | 0 | 0 | 1 | 2 | 1 |   | 2 | 1 | 2 |
| 27. | Solutions | 4 | 1 | 0 | 1 | 2 | 0 | 2 | 2 | 2 |   | 2 | 0 | 4 | 2 |
| 28. | Electrochemistry | 2 | 1 | 2 | 2 | 1 | 2 | 4 | 0 | 1 | 1 | 1 | 3 | 1 | 1 |
| 29. | Chemical Kinetics | 2 | 3 | 3 | 4 | 2 | 1 | 1 | 3 | 2 | 1 | 0 | 1 | 2 | 2 |
| 30. | Surface Chemistry | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 2 |
| Total No. of Questions | 50 | 50 | 50 | 50 | 50 | 30 | 50 | 30 | 50 | 30 | 45 | 45 | 45 | 45 |
| % of question from Class XI | 32% | 38% | 56% | 44% | 44% | 53% | 50% | 43% | 36% | 47% | 53% | 51% | 42% | 40% |
| % of question from Class XII | 68% | 62% | 44% | 56% | 56% | 47% | 50% | 57% | 64% | 53% | 47% | 49% | 58% | 60% |

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| **Biology Chapter wise Analysis (2006-2013)** |
|  | **Years** |
| S.No | Chapters | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2014 | 2013 | 2015 | 2016 |
|  |  | Prelims | Prelims | Prelims | Prelims | Prelims | Mains | Prelims | Mains | Prelims | Mains | Prelims | NEET |  | NEET |
| 1. | The Living World | 0 | 4 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 |
| 2. | Biological Classification | 3 | 3 | 4 | 1 | 4 | 0 | 1 | 2 | 6 | 2 | 4 | 3 | 3 | 5 |
| 3. | Plant Kingdom | 3 | 4 | 3 | 4 | 4 | 2 | 4 | 4 | 4 | 1 | 2 | 1 | 3 | 2 |
| 4. | Animal Kingdom | 7 | 4 | 6 | 2 | 4 | 1 | 3 | 3 | 1 | 2 | 3 | 4 | 4 | 3 |
| 5. | Digestion and Absorption | 1 | 0 | 2 | 3 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 2 |
| 6. | Breathing and Exchange of Gases | 3 | 2 | 2 | 0 | 3 | 0 | 2 | 2 | 2 | 0 | 1 | 1 | 1 | 4 |
| 7. | Body Fluids and Circulation | 2 | 1 | 4 | 4 | 1 | 3 | 5 | 1 | 2 | 1 | 2 | 2 | 3 | 1 |
| 8. | Excretory Products and their Elimination | 1 | 2 | 0 | 2 | 3 | 1 | 4 | 1 | 1 | 2 | 2 | 1 | 2 | 1 |
| 9. | Locomotion and Movement | 1 | 1 | 1 | 3 | 0 | 2 | 0 | 2 | 1 | 1 | 2 | 3 | 2 | 1 |
| 10. | Neural Control and Coordination | 1 | 2 | 4 | 2 | 1 | 1 | 2 | 0 | 2 | 0 | 2 | 2 | 2 | 1 |
| 11. | Chemical Coordination and Integration | 6 | 3 | 3 | 2 | 4 | 1 | 2 | 1 | 3 | 0 | 4 | 3 | 1 | 2 |
| 12. | Transport in Plants | 1 | 2 | 1 | 2 | 1 | 2 | 0 | 1 | 1 | 0 | 0 | 1 | 3 |   |
| 13. | Mineral Nutrition | 1 | 3 | 0 | 1 | 3 | 0 | 5 | 1 | 2 | 0 | 1 | 1 | 1 | 1 |
| 14. | Photosynthesis in Higher Plants | 2 | 3 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 0 | 1 | 0 | 0 | 4 |
| 15. | Respiration in Plants | 1 | 2 | 3 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 0 |   |
| 16. | Plant Growth and Development | 4 | 4 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 3 | 3 | 1 | 1 | 1 |
| 17. | Morphology of Flowering Plants | 4 | 0 | 4 | 4 | 2 | 4 | 6 | 3 | 6 | 2 | 4 | 4 | 5 | 4 |
| 18. | Anatomy of Flowering Plants | 3 | 1 | 2 | 5 | 4 | 0 | 2 | 2 | 4 | 2 | 2 | 3 | 2 | 1 |
| 19. | Structural Organisation in Animals | 3 | 1 | 1 | 5 | 1 | 0 | 3 | 4 | 3 | 4 | 2 | 1 | 1 | 2 |
| 20. | Cell : The Unit of Life | 3 | 2 | 2 | 1 | 4 | 2 | 4 | 2 | 4 | 2 | 5 | 6 | 6 | 4 |
| 21. | Biomolecules | 1 | 0 | 2 | 1 | 0 | 2 | 1 | 0 | 2 | 2 | 2 | 3 | 1 | 2 |
| 22. | Cell Cycle and Cell Division | 0 | 0 | 0 | 2 | 2 | 0 | 1 | 1 | 2 | 1 | 3 | 3 | 3 | 4 |
| 23. | Human Health and Disease | 3 | 3 | 3 | 6 | 4 | 3 | 4 | 2 | 6 | 2 | 3 | 2 | 3 | 3 |
| 24. | Strategies for Enhancement in Food Production | 4 | 7 | 3 | 2 | 1 | 1 | 4 | 0 | 2 | 2 | 2 | 1 | 4 | 1 |
| 25. | Microbes in Human Welfare | 1 | 6 | 3 | 3 | 4 | 3 | 6 | 1 | 6 | 3 | 1 | 2 | 1 | 1 |
| 26. | Biotechnology : Principles and Processes | 2 | 0 | 2 | 1 | 5 | 3 | 4 | 1 | 5 | 4 | 3 | 2 | 0 | 3 |
| 27. | Biotechnology and its Applications | 1 | 0 | 6 | 6 | 4 | 1 | 2 | 4 | 1 | 2 | 1 | 1 | 2 | 2 |
| 28. | Organisms and Populations | 4 | 4 | 1 | 1 | 1 | 1 | 3 | 2 |   | 1 | 3 | 3 | 3 | 2 |
| 29. | Ecosystem | 1 | 1 | 2 | 2 | 3 | 2 | 4 | 2 | 5 | 4 | 3 | 3 | 5 | 3 |
| 30. | Biodiversity and Conservation | 4 | 2 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 2 | 1 | 3 |
| 31. | Environmental Issues | 4 | 3 | 3 | 5 | 4 | 1 | 4 | 2 | 2 | 0 | 2 | 3 | 3 | 2 |
| 32. | Principles of Inheritance and Variation | 12 | 6 | 2 | 6 | 5 | 5 | 2 | 2 | 2 | 4 | 3 | 5 | 7 | 6 |
| 33. | Molecular Basis of Inheritance | 5 | 8 | 5 | 4 | 4 | 4 | 3 | 2 | 6 | 3 | 3 | 2 | 2 | 3 |
| 34. | Evolution | 5 | 10 | 5 | 2 | 1 | 2 | 1 | 0 | 4 | 0 | 2 | 4 | 1 | 3 |
| 35. | Reproduction in Organisms | 0 | 0 | 0 | 3 | 1 | 1 | 3 | 2 | 2 | 0 | 4 | 4 | 2 |  |
| 36. | Sexual Reproduction in Flowering Plants | 2 | 3 | 5 | 1 | 2 | 1 | 4 | 0 | 3 | 4 | 5 | 3 | 4 | 6 |
| 37. | Human Reproduction | 1 | 2 | 3 | 7 | 9 | 3 | 3 | 2 | 4 | 2 | 1 | 3 | 3 | 4 |
| 38. | Reproductive Health | 0 | 1 | 3 | 0 | 3 | 0 | 2 | 1 | 2 | 0 | 3 | 3 | 2 | 2 |
| Total No. of Questions | 100 | 100 | 100 | 100 | 100 | 60 | 100 | 60 | 100 | 60 | 90 | 90 | 90 | 90 |
| % of question from Class XI | 51% | 44% | 49% | 50% | 48% | 28% | 50% | 36% | 49% | 27% | 48% | 47% | 47% | 51% |