**INDIAN SCHOOL ALW ADI AL KABIR**

**DEPARTMENT OF SCIENCE 2017 -18**

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| **CLASS 12 - THEORY**  **PHYSICS – REHEARSAL 2**  **Electrostatics**  Chapter-1: Electric Charges and Fields  Chapter-2: Electrostatic Potential and Capacitance  **Current Electricity**  Chapter-3: Current Electricity  **Magnetic Effect of Current & Magnetism**  Chapter-4: Moving Charges and Magnetism  Chapter-5: Magnetism and Matter  **Electromagnetic Induction & Alternating Current**  Chapter-6: Electromagnetic Induction  Chapter-7: Alternating Current  **Electromagnetic Waves**  Chapter-8: Electromagnetic Waves  **Optics**  Chapter-9: Ray Optics and Optical Instruments  Chapter-10: Wave Optics  **Dual Nature of Matter**  Chapter-11: Dual Nature of Radiation and Matter  **Atoms & Nuclei**  Chapter-12: Atoms  Chapter-13: Nuclei  **Electronic Devices**  Chapter-14:  Semiconductor  Electronics  **Communication Systems**  Chapter-15: Communication Systems |

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| **CLASS 12 –THEORY**  **CHEMISTRY - REHEARSAL 2** |
| 1. Solid State 2. Solutions 3. Electrochemistry 4. Chemical Kinetics 5. Surface Chemistry 6. General Principles and Processes of Isolation of Elements 7. p - Block Elements 8. d and f Block Elements 9. Coordination Compounds 10. Haloalkanes and Haloarenes 11. Alcohols, Phenols and Ethers 12. Aldehydes, Ketones and Carboxylic Acids 13. Organic compounds containing Nitrogen 14. Biomolecules 15. Polymers 16. Chemistry in Everyday life |

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| **CLASS 12 –THEORY**  **BIOLOGY - REHEARSAL 2** |
| **Unit VI. Reproduction**  Chapter-1: Reproduction in Organisms Chapter-2: Sexual Reproduction in Flowering Plants Chapter-3: Human Reproduction Chapter-4: Reproductive Health **Unit VII. Genetics and Evolution**  Chapter-5: Principles of Inheritance and Variation.  Chapter-6: Molecular Basis of Inheritance Chapter-7: Evolution  **Unit VIII. Biology and Human Welfare**  Chapter-8: Human Health and Diseases  Chapter-9: Strategies for Enhancement in Food Production  **Unit IX. Biotechnology and Its Applications**  Chapter-11: Biotechnology - Principles and Processes Chapter-12: Biotechnology and its Application **Unit X. Ecology and Environment**  Chapter-13: Organisms and Populations Chapter-14: Ecosystem Chapter-15: Biodiversity and its Conservation Chapter-16: Environmental Issues |