**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 FieldsChapter-2: Electrostatic Potential and Capacitance**Current Electricity**Chapter-3: Current Electricity**Magnetic Effect of Current & Magnetism**Chapter-4: Moving Charges and MagnetismChapter-5: Magnetism and Matter**Electromagnetic Induction & Alternating Current**Chapter-6: Electromagnetic InductionChapter-7: Alternating Current**Electromagnetic Waves**Chapter-8: Electromagnetic Waves**Optics**Chapter-9: Ray Optics and Optical InstrumentsChapter-10: Wave Optics**Dual Nature of Matter**Chapter-11: Dual Nature of Radiation and Matter**Atoms & Nuclei**Chapter-12: AtomsChapter-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 OrganismsChapter-2: Sexual Reproduction in Flowering PlantsChapter-3: Human ReproductionChapter-4: Reproductive Health**Unit VII. Genetics and Evolution**Chapter-5: Principles of Inheritance and Variation.Chapter-6: Molecular Basis of InheritanceChapter-7: Evolution**Unit VIII. Biology and Human Welfare**Chapter-8: Human Health and DiseasesChapter-9: Strategies for Enhancement in Food Production**Unit IX. Biotechnology and Its Applications**Chapter-11: Biotechnology - Principles and ProcessesChapter-12: Biotechnology and its Application**Unit X. Ecology and Environment**Chapter-13: Organisms and PopulationsChapter-14: EcosystemChapter-15: Biodiversity and its ConservationChapter-16: Environmental Issues |