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| **INDIAN SCHOOL AL WADI AL KABIR**  **DEPARTMENT OF SCIENCE 2016-17**  **WEEKLY PLAN- CLASS-10-PHYSICS** | | | | | |
| **Physics** | First week | Second week | Third week | Fourth week | **Fifth week** |
| **July** |  |  |  |  | Magnetic field lines properties, Magnetic field due to straight current carrying conductor |

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| **Physics** | **First Week** | **Second Week** | **Third Week** | **Fourth Week** | **Fifth Week** |
| **AUGUST** | Magnetic field due to a current carrying solenoid. | Force on a current carrying conductor in a magnetic field.  **Practical-**Resistances in parallel  (**FA II 8th & 10th** )  (**FA II ACTIVITY I : -(3 minute paper**) | Fleming’s Left Hand Rule and application  Electromagnetic Induction  Fleming’s Right hand rule.  AC and DC current.  (**FA II 15th, 17th& 19th** ) | Domestic Circuits  Exercise and worksheet  (**FA II ACTIVITY IV : - Worksheet Based**)  (**FA II 21st**) | **CH-SOURCES OF ENERGY**  Alternative sources of energy |
| **SEPTEMBER** | REVISION FOR SA1 | REVISION FOR SA1 | EID HOLIDAYS | SA-I EXAM | SA-I EXAM  Term I ends |

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| **INDIAN SCHOOL AL WADI AL KABIR SYLLABUS BREAKUP 2016-2017 (TERM II)** | | | | | |
| **Class 10**  **PHYSICS** | **First Week** | **Second Week** | **Third Week** | **Fourth Week** | **Fifth Week** |
| OCTOBER | **CH-LIGHT- REFLECTION AND REFRACTION.**  Introduction.  Reflection of light by curved surfaces. Spherical mirrors. | Terms associated with spherical mirrors. Principal focus of concave and convexmirrors. Image formation by spherical mirrors. | Ray diagrams for the image formation by concave and Convex mirrors.  Uses of concave and convex mirrors. | Sign convention for reflection by spherical mirrors.  Mirror Formula and Magnification.  Numerical. | Refraction of light. |
| NOVEMBER | Laws of refraction.  The refractive index.  **(F A III 3RD )**  **F A III Activity**  **(Numerical based worksheet)** | Refraction by spherical lenses. Principal focus of convex and concave lens. Image formation by lenses. | Ray diagrams for the  Image formation by Convex and concave lenses | Ray diagrams for the  Image formation by Convex and concave lenses | Numerical  Worksheet discussion. |
| DECEMBER | **CH- HUMAN EYE AND COLOURFUL WORLD.**  Introduction- Human eye- parts and functions. | **Practicals**- To find the image distance for varying object distances in case of convex lens and draw the corresponding ray diagrams. | Power of accommodation  Defects of vision and their correction. | Numerical on Defects of vision.  Refraction through a prism.  Dispersion of white light by a glass prism. | Winter Holidays. |
| JANUARY 2017 | WINTER HOLIDAYS | WINTER HOLIDAYS | Recombination of the spectrum of white light  Atmospheric refraction. | Practicals- To trace the path of the rays of light through glass prism.  Exercise and worksheet. | REVISION FOR SA2 |
| FEBRUARY | . Revision for SA 2 | Revision for SA 2 | Revision for SA 2  **(FA IV 16TH , 18TH ) REPUBLIC CELEBRATION** | Revision for SA 2  **(FA IV 22ND, 24TH )**  **(F A IV Activity II Application Based)** | Revision for SA 2  **(FA IV 29TH& 31ST)**  **(MCQ/MDP)** |
| MARCH | SA II begins |  |  |  |  |