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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 applicationElectromagnetic InductionFleming’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 EXAMTerm 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 | NumericalWorksheet 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 accommodationDefects 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 lightAtmospheric 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 |  |  |  |  |