|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| SUBJECT: Science | | | **SYLLABUS FOR THE ACADEMIC YEAR 2021-2022** | | |
| OPTION: Physics | | |
| GRADE: 10 | | |
| Month | Date | No.of days | Topics | Sub Topics | Lead |
|
| April | 11-15 | 5 | chapter 1: Effects of electric current | Heating effect of electric current. | Mr. Jasif |
| 18-22 | 5 | chapter 1: Effects of electric current | Joules law |
| 25-29 | 5 | chapter 1: Effects of electric current | Arrangement of resistors in circuit |
| May | 2-6 | 5 | chapter 1: Effects of electric current | heating effect of electric current-uses |
| 9-13 | 2 | chapter 1: Effects of electric current | safety fuse, Electric power |
| 16-20 | 5 | chapter 1: Effects of electric current | Heating effect of electric current. |
| 23-27 | 5 | chapter 1: Effects of electric current | Lighting effect of electric current |
| 30-31 | 2 | chapter 1: Effects of electric current | LED bulbs |
| June | 1-3 | 3 | Ch2:Magnetic effect of electric current | Direction of motion of magnetic needle |
| 6-10 | 5 | Ch2:Magnetic effect of electric current | Uses of magnetic effect of current |
| 13- 17 | 5 | ***First Term Examination*** | |
| 20-24 | 5 | ***First Term Examination*** | |
| 27-30 | 4 | Ch2:Magnetic effect of electric current | Fleming Left hand rule and motor principle |
| August | 29-31 | 3 | Ch2:Magnetic effect of electric current | Electric motor,Loud speaker |
| September | 1-2 | 2 | CH3: Electro magnetic induction | Alternating current and Direct current,Fleming's right hand rule |
| 5-9 | 5 | CH3: Electro magnetic induction | Mutual induction,self induction |
| 12-16 | 5 | CH3: Electro magnetic induction | Transformer, Inductor |
| 19- 23 | 5 | CH3: Electro magnetic induction | moving coil microphone,Safety measures in House hold electrification |
| 26- 30 | 5 | CH3: Electro magnetic induction | Power of accomadation-Defects of vision and their correction |
| October | 3-7 | 5 | CH3: Electro magnetic induction | Three pin plug, First Aid |
| 10 14 | 5 | CH4: Reflection of light | Laws of reflection,Image formation by plane mirror |
| 17 -21 | 4 | CH4: Reflection of light | Multiple reflection and image formation,Mirror equation |
| 24-28 | 5 | CH5: Refraction of light | Refraction of light,Total internal reflection,Lens |
| November | 1- 4 | 4 | CH5: Refraction of light | Formation of image using lens,lens equation,lens eqaution |
| 7-11 | 5 | ***Second Term Examination*** | |
| 14- 18 | 5 | ***Second Term Examination*** | |
| 21-25 | 5 | CH6:Vision and the world of colours | defects of eye,Dispersion of light,Scattering of light,light pollution |
| 28-30 | 3 | CH6:Vision and the world of colours | Dispersion of light,Scattering of light,light pollution |
| December | 5-9 | 5 | CH7:Energy management, | fossil fuel,Types of energy,different source of energy,Combustion of fules |
| January | 2-6 | 5 | CH7:Energy management, | LPG and safety,Bio mass,Biogas,Fuel efficiency |
| 9-13 | 5 | CH7:Energy management, | renewable sources of energy,Green energy and brown energy |
| 16-20 | 5 | ***Premodel Examination*** | |
| 23-27 | 4 | ***Premodel Examination*** | |
| 30-31 | 2 | ***Revision*** | |
| February | 1-3 | 3 | ***Revision*** | |
| 6-10 | 5 | ***Revision*** | |
| 13-17 | 4 | ***S.S.L.C Model Examination*** | |
| 20-24 | 5 | ***S.S.L.C Model Examination*** | |
| 27-28 | 2 | ***Study holidays*** | |
| March | 1-3 | 3 | ***Study holidays*** | |
| 6-10 | 5 | ***S.S.L.C Board Examination*** | |
| 13-17 | 5 | ***S.S.L.C Board Examination*** | |