



SYLLABUS FOR THE ACADEMIC SESSION 2020-21
CLASS – VII

PHYSICS

| Month | Unit | Chapter | Sub-Topics |
|-----------|------------|--|---|
| April | 1 | Heat | <ul style="list-style-type: none"> - Introduction, what is heat - Measuring temperature - Clinical & laboratory thermometer |
| May | 1 (contd.) | Heat | <ul style="list-style-type: none"> - Effects of heat - Transfer of heat-conduction - Convection / radiation |
| June | | Pre Mid-Term | |
| June | 2 | Wind storm & rain / cyclone | <ul style="list-style-type: none"> - Winds and what causes them - Air pressure & wind speed - Permanent wind systems - Types of storms / cyclones |
| July | 2 (contd.) | Wind storm & rain / cyclone | <ul style="list-style-type: none"> - Impact of storms / cyclones - Weather instruments - Safety measures |
| August | 3 | Time, motion & speed | <ul style="list-style-type: none"> - Measuring time & devices to measure time - Time intervals / simple pendulum - Unit related to time - Speed - Distance time graph - Relevant numerical problems |
| September | | Revision & Mid-Term Exam | |
| October | 4 | Electricity | <ul style="list-style-type: none"> - Symbols of electric components - Electric circuits - Circuit diagrams |
| November | 4 (Contd.) | Electricity | <ul style="list-style-type: none"> - Resistance - Heating effect of current - Magnetic effect of current - Electromagnets - Electric Bell |
| November | | Post Mid-Term Exam | |
| December | 5 | Light | <ul style="list-style-type: none"> - Rectilinear propagation of light - Reflection of light - Laws of reflection |
| January | 5 (contd.) | Light (contd.) | <ul style="list-style-type: none"> - Images - real, virtual - Types of spherical mirrors - Types of lenses - Nature of images formed by lenses - Sunlight - white & coloured |
| February | | Revision & Annual Examination | |
| | | <u>Annual Examination</u> | |
| | | 1. Time, motion and speed | |
| | | 2. Electricity | |
| | | 3. Light | |