

**ACADEMIC SESSION 2020-21**  
**HOLIDAY HOME WORK**  
**CLASS : 10**

	<b>TOPIC</b>
ENGLISH	Workbook (Integrated Grammar exercises of Gap filling, Editing, Reported Speech) Note: PDF of Assignments will be uploaded.
HINDI	1. 'बड़े भाई साहब' पाठ में से किन्हीं 15 मुहावरों के अर्थ लिख कर वाक्य में प्रयोग कीजिये । 2. 'विद्यार्थी जीवन में अनुशासन का महत्त्व' विषय पर एक अनुच्छेद लिखिए । 3. कोरोना वायरस के कारण आज कल समाज में एक डर का वातावरण फैल गया है । इस विषय पर दो नागरिकों के बीच हुई बातचीत को संवाद के रूप में लिखिए ।
MATHEMATICS	Workbook-Chapter 1 Real Numbers and Chapter 2 Polynomials. To be done separately on A4 size paper (if possible). Note: PDF of Assignments will be uploaded.
SCIENCE	<b>PHYSICS:</b> Q.1 Draw ray diagrams of image formation by concave mirror when an object is placed in front of it (a) at C (b) between P and F (c) at F. Tabulate image position, nature and size of image formed. Q.2 Enlist 4 uses of spherical mirrors in daily life. Provide scientific explanation for using a particular spherical mirror for the uses enlisted by you. Q.3 Draw ray diagram of image formation by lens for the case when image formed is erect, virtual and larger than object size. Name the type of lens.
SCIENCE	<b>CHEMISTRY:</b> Q.1 Describe the electronic configuration of oxygen ion (oxide) with diagram. Q.2 Write down the name of compounds represented by following formulae: A) $Al_2(SO_4)_3$ b) $CaCl_2$ c) $K_2SO_4$ d) $KNO_3$ e) $CaCO_3$ Q.3 Write down the formulae of (i) Sodium oxide (ii) Aluminium chloride (iii) Sodium sulphate (iv) Magnesium hydroxide.

SCIENCE	<p><b>BIOLOGY:</b></p> <p>Q.I Write down the requirements, method, principle (if applicable), observation and result, explanation for the observation/result for the activities written below. Draw suitable diagram(s) also.</p> <p>i). To demonstrate that CO<sub>2</sub> is necessary for photosynthesis.</p> <p>ii). To demonstrate the process of fermentation.</p> <p>You can design and elaborate your own activity different from the one given in textbook</p> <p>Q.II Draw a mind map of :-</p> <p>a) The process of digestion of different food components in alimentary canal of Humans.</p> <p>b) Absorption of different components of food in small intestine (including its adaptation for absorption of digested components) and large intestine.</p> <p>Q.III Write down the chemical reaction and steps involved in autotrophic nutrition in plant.</p> <p>Q. IV. Describe the mechanism of inhalation and exhalation in human with the help of a flowchart.</p> <p><b>ACTIVITY:</b></p> <p>Prepare two colourful cotton face masks.</p>
SOCIAL SCIENCE	<p><b>Topic: Sustainable Development</b></p> <p>Discuss the ways to promote “<b>sustainable lifestyle</b>” among students under the following headings:</p> <ol style="list-style-type: none"><li>1. Action that you can take in your city.</li><li>2. Sustainable goals for your school.</li><li>3. How can you promote green guide at home?</li></ol> <p>Note: To be done in 2 to 3 pages, on A4 size paper and to be submitted in a file.</p>
SANSKRIT	<p>दिनचर्यालेखनम् (समयसहितम्)</p> <p>Daily schedule (vacation time) to be written in minimum 15 sentences on A4 size paper.</p>