

BRAHMANANDA PUBLIC SCHOOL
HOLIDAY HOMEWORK 2020-21
CLASS - XI – B (SCIENCE)

ENGLISH	<ol style="list-style-type: none"> 1. Complete the Question and Answers, difficult words of all the chapters done. (Do on sheets if you don't have a notebook so that you can paste the sheets when you get notebooks). 2. Every day you are recommended to listen to English news which will help you in improving pronunciation and language. 3. Paste samples on sheets of Report Writing (4), Posters (4), Advertisements – Situation Vacant, Sale / Purchase, Lost / Found (2 each). 4. Imagine if you could Time travel – where would you like to travel (Past or Future) and why? Write about it in about 100 words. 5. Read the book –“The Book Thief” by Markus Zusak and write its review. 6. Watch a movie –“Life of Pi” and give your inputs on – What you liked/ not liked about the movie and why.
MATHEMATICS	<ol style="list-style-type: none"> 1. Revise chapter 1 and 12 of NCERT. 2. Cut and paste colored papers to represent Venn Diagram to represent different operation of sets i.e. union of two and three sets, intersection of sets, Subtraction of sets and De- Morgans law.
PHYSICS	<ol style="list-style-type: none"> 1. Make a separate copy and solve all the numerical problems of Chapter - 2 & 3, Physics(NCERT). 2. Derive the dimensional formula of Force, Pressure, Volume, Density, Energy, Work and also write their SI units. 3. Make short notes and revise all the chapters done till now. <p style="text-align: center;">HOLIDAY HOMEWORK CLASS XI - PHYSICS</p> <div style="display: flex; justify-content: space-between;"> <div data-bbox="411 1323 874 1827" style="width: 45%;"> <p style="text-align: center;">CROSSWORD PUZZLE</p> </div> <div data-bbox="916 1323 1355 1727" style="width: 45%;"> <p>DOWN</p> <ol style="list-style-type: none"> 1 A force that tends to cause rotation 2 Unit system 3 Measurement of short distance 4 uses ultrasonic wave under water 5 change in position of particle in a particular direction 6 displacement divided by time <p>ACROSS</p> <ol style="list-style-type: none"> 4 a physical quantity whose dimension is $ML^2 T^{-2}$ 5 Intense beam of light 7 length of actual path covered 9 rate of change of distance 10 a qty which has magnitude and no direction 11 slope of v-t graph 12 qty that has magnitude and direction </div> </div>
CHEMISTRY	<ol style="list-style-type: none"> 1. Read Ch – 14 Environmental Chemistry from NCERT. Prepare a PowerPoint presentation on any of the following topics from the chapter: <ol style="list-style-type: none"> a) Atmospheric Pollution (Tropospheric and Stratospheric – Gaseous air pollutants, Particulate pollutants) b) Global warming. Greenhouse effect, Acid rain, Smog – effects and

	<p>control. Ozone hole, Effect of ozone layer depletion.</p> <p>c) Water and soil pollution</p> <p>d) Strategies to control environmental pollution, Waste management, Green chemistry.</p> <p>The PPT must have a minimum of 10 and maximum of 15 slides. The presentation is to be prepared individually.</p> <p>You will be asked to present your topics in front of the class.</p> <p>(The chapter can be downloaded from the link provided below)</p> <p>http://www.ncert.nic.in/ncerts/l/kech207.pdf</p> <p>2. Do all the NCERT exercise questions of the first 3 chapters in your chemistry notebook.</p> <p>3. Revise all the chapters done till now.</p> <p>4. Follow all the Do's and Don'ts for the prevention of Covid 19. Stay at home, stay safe.</p>
BIOLOGY	<p>1. Revise chapters -1, 2, 3 and 4.</p> <p>2. Make a Project on any topic from these 4 chapters.</p> <p>3. Do the following questions in your notebook.</p> <p>a) Biological classification is a dynamic and ever evolving phenomenon which keeps changing with our understanding of life forms. Justify the statement taking any two examples.</p> <p>b) 'Peat' is an important source of domestic fuel in several countries. How is 'peat' formed in nature?</p> <p>c) Do you consider a person in coma-living or dead?</p> <p>d) Draw labelled diagrams of</p> <p>(i) Female and male thallus of a liverwort.</p> <p>(ii) Gametophyte and sporophyte of Funaria.</p> <p>e) Explain why sexual reproduction in angiosperms is said to take place through double fertilization and triple fusion. Also draw a labelled diagram of embryo sac to explain the phenomena.</p>
<u>संगीत</u>	<p>1. आप के पाठ्यक्रम में दिए गए समस्त निबंध को ध्यान से पाठ कीजिए एवं उसके प्रश्न उत्तर को बारं बार लिखे और अभ्यास करें।</p> <p>2. कोई दो भजन को अच्छे से सुनिए, उस के ताल और राग के विषय मे जानिए एवं उसको अभ्यास कीजिए।</p> <p>3. संगीत जगत में बहत सारे वाद्ययंत्र का निर्माण हुआ है। तानपुरा, हारमोनियम एवं तबला को छोड़कर कोई एक वाद्ययंत्र के विषय मे उसके चित्र के साथ विस्तृत वर्णन कीजिए।</p>

Follow all the Do's and Don'ts for the prevention of Covid 19. Stay at home, stay safe.