

**St. John's School, Ledhupur, Varanasi**  
**Class :X      Session 2021-2022**  
**Project Work**

<b>Subject</b>	<b>Topics</b>
<b>English-I</b>	<p>Q.1 Write a composition bringing out the theme, 'One may lead a horse to water but twenty cannot make him drink.'</p> <p>Q.2 Health care personnel, sanitation workers and law enforcement officers were the unsung heroes of the battle with Covid-19 while we stayed safe at home. Elaborate.</p>
<b>English- II</b>	<p>Q.1 By referring to relevant incidents, show that the poem 'The Patriot' is a satire on public's fickleness.</p> <p>Q.2 How did the author adorn 'The Little Match Girl' with rich images and symbols.</p>
<b>Hindi</b>	<p>Q.1 Premchand ka jivan parichay aur unaki rachanayen.</p> <p>Q.2 Nibandh Lekhan -Samachar patra ka mahatva.</p>
<b>Mathematics</b>	<p>Attempt any two questions.</p> <p>Q.1 Comparative newspaper coverage of different times.</p> <p>Q.2 Planning a home budget.</p> <p>Q.3 To use a newspaper to study and report on Shares and Dividends</p> <p>Q.4 Survey of various types of bank accounts, rate of interest offered.</p> <p>Q.5 Conduct a survey in your locality to study mode of conveyance/prices of various essential commodities/sports. Represt the data using a bar graph/histogram and estimate the mode.</p>
<b>Physics</b>	<p>Q.1 What is lateral displacement? Draw a ray diagram showing the lateral displacement of light when it passes through a parallel sided glass slab. Explain it in detail.</p> <p>Q.2 What is meant by gravitational potential energy? Explain it with proper example. Derive expression for it for a body placed at height above the ground.</p>
<b>Chemistry</b>	<p>Q.1 Identification of different gases and heating effect on different salts</p>
<b>Biology</b>	<p>Q.1 Structure of chromosomes.</p> <p>Q.2 Cell cycle and Cell Division .</p>

<b>History and Civics</b>	Q.1 Present a life sketch and contributions of Dr. A.P.J. Abdul Kalam. Q.2 Present a book review on Dadabhai Naoroji's 'Poverty and un-British rule in India'.
<b>Geography</b>	Q.1 Physical divisions of India with relevant Maps and Measures/Action to protect the Flora and Fauna of the Nation? Q.2 Topo map- Conventional Signs and symbol.
<b>Computer</b>	Q.1 What is an object? Q.2 Explain the four principals of object oriented programming. Q.3 What is a character set? Q.4 What is data type in Java? Q.5 What are methods in java? Q.6 What do you understand by increment and decrement operators?
<b>M.Science</b>	1. What is your faith experience during this Covid-19. 2.What lessons have you learnt for life from this pandemic.