

CLASS	11 ( SCI)	MAHALAKSHMI PUBLIC SCHOOL, AGRA ROAD, JAIPUR	DATE	19/10/2022
SUBJECT	DIWALI VACATION HOMEWORK			
Hindi	<p>Learn essay-कन्या भ्रूण हत्या, विद्यार्थी जीवन में अनुशासन, स्वावलंबन का महत्व, युवा में बढ़ती नशे की कुप्रवृत्ति ।</p> <p>Learn फीचर- 1 to 4.</p> <p>Learn सम्पादकीय- 3 and do 2 सम्पादकीय</p> <p>Learn letter.</p>			
English	<p>Process- (opening a bank account, making tea, getting migration certificate) Event- (birthday celebration, sister's marriage, blood donation camp and election) Incident- (a house on fire, road accident, robbery in P.N.B. and heavy rain disturb the life) Article- importance of forests, women employment and importance of mobile phone).</p> <p>[Do and learn in your notebook.]</p>			
Math	Revise Ch-3 and 9 from 11 <sup>th</sup> Math.			

	Revise Ch-5 and 7 from 12 <sup>th</sup> Math. Learn formula of 11 <sup>th</sup> and 12 <sup>th</sup> Math.
Biology	Learn Ch-8, 9, 10, 1, 2, 16, 17, and 18. [Do these chapters question from NCERT book.]_
Physics	<ol style="list-style-type: none"> <li>1. Find significant fig. (i) 4200 kg (ii) 42.053</li> <li>2. (i) <math>d/dx \sqrt{\sin x}</math> (ii) <math>d/dx e^{\sqrt{x}}</math></li> <li>3. (i) <math>\int \sqrt{x} dx</math> (ii) <math>\int (x^2 + 2) dx</math></li> <li>4. Convert IN into dyne</li> <li>5. Convert IJ into erg</li> <li>6. Prove that <math>E = mc^2</math></li> <li>7. Prove that <math>E = h\nu</math></li> <li>8. Find distance of displacement in given fig.</li> <li>9. Derive the formula for <math>n^{\text{th}}</math> sec.</li> <li>10. Find dimension of i) Force ii) Power</li> <li>11. The density of mercury is <math>13.6 \text{ gm/cm}^3</math>. Find the value of in M.K.S system.</li> </ol>

12. Calculus method  
13. Projectile motion  
14. Prove the  $R_{\max} = 4H$   
15. Triangle law and polygon law  
16. Solve  $\int_0^1 x\sqrt{x}dx$

Chemistry

Ch-1 some basic concept of chemistry all text book questions.  
Ch-2 question no. 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46.  
Ch-8 all text book question.  
Ch-12 Isomerism, write.