6	MATHS	• **Activity: 1** To represent the union and intersection through Venn diagram • **Activity: 2** To verify Demorgan's law using Venn diagram • **Activity: 3** To show the different type of relation using arrow diagram • **Activity: 4** To verify the identity $\sin^2 \theta + \cos^2 \theta = 1$ geometrically. • **Activity: 5** To draw the graphs of $\sin x$ and $\cos x$ • **Activity: 6** To represent the solution of a system of linear inequalities graphically • **Activity: 7** Verify the formula for the sum of the first n natural numbers	
7	ACCOUNTS	Draw a specimen of the following documents with brief description. 1.cash memo 2.cheque 3.Debit note 4.credit note 5.voucher 6.Receipt 7.Pay-in -slip.	
8	BST	Bst- prepare a report on GST (In detail) with current slabs.	
9	ECONOMICS	1. Prepare a mini Business project and calculate cost, Revenue and profit. 2.Draw and level all cost curves. ,3.Prepare TR, AR and MR tables with graphs. English -Prepare a project on the topic 1. Impact of brain - drain on the economy. Or Smart work. vs hard work in the digital era. Note– project work should be completed on A4 size paper in hand-written(word limit 800 -1000).	
10	APPL MATHS	Prepare a project work on the following topics 1. Application of mathematics in banking:-Simple interest, compound interest, savings and EMI calculation with real life example. 2. Statistics and data analysis:- collect data from 20 students, calculate mean,median,mode and represent the data using Bar graph and Pie chart.	

CO- ORDINATOR

I/C ACADEMIC

PRINCIPAL

DAV PUBLIC SCHOOL, JAMALPUR

DIWALI & CHHATH PUJA HOLIDAY HOMEWORK 2026

CLASS – XI-SCIENCE & COMMERCE

Sr. No.	Subject	HOMEWORK	Subject Teacher's Signatures
1	ENGLISH	Prepare a project on the topic Child labour in India or the plight of aged people in modern society. Project must be hand written with certificate and acknowledgement in about 800 to 1000 words.	
2	HINDI	अभिव्यक्ति और माध्यम: 'जनसंचार माध्यम' और 'विभिन्न माध्यमों के लिए लेखन': गतिविधियाँ एवं परियोजना 1. तुलनात्मक तर्क: प्रिंट माध्यम, रेडियो और टीवी में से सबसे सशक्त माध्यम कौन सा है? इसके पक्ष-विपक्ष में तर्क दीजिए। 2. बिहार के प्रसिद्ध साहित्यकारों की जीवनी उपलब्धियों के साथ सचित्र लिखें। 3. भक्तिकाल के प्रसिद्ध कवियों की उपलब्धियाँ एवं जीवनी सचित्र लिखें। 4. मधु के साथ ढाई साल, विदाई संभाषण, गणना लोहा, मीराबाई, घर की याद एवं चंपा काले काले अच्छर नहीं चीन्हती पाठ का प्रश्नोत्तर लिखकर याद करें।	
3	CHEMISTRY	Vacation Home work class XI 1. Write the experiment No. 1, 2 and 3 in practical copy. 2. Complete notes of all chapters upto Thermodynamics.	
4	PHYSICS	1. Fluid Mechanics: State and prove Bernoulli's theorem. Explain any two practical applications of the theorem in daily life or technology. Additionally, solve two numerical problems based on Bernoulli's theorem. 2. Properties of Solids: Derive a comprehensive expression for the Elastic Potential Energy stored in a stretched wire. Solve two numerical problems using the formula obtained. 3. Gravitation: Derive mathematical expressions showing how the acceleration due to gravity (g) varies with: (a) Height above the Earth's surface (h) (b) Depth below the Earth's surface (d) Additionally, solve two numerical problems for each case (two for variation with height and two for variation with depth).	Proveen
5	BIOLOGY	• Prepare a project work on chart paper on any one of the following topics: • Glycolysis • Krebs Cycle • C3 Cycle • Complete the eight practicals in the practical copy. • Learn all the dictated portions of the chapters "Photosynthesis" and "Respiration".	