



# PATEL INTER COLLEGE

CIVIL LINES, FATEHPUR, UTTAR PRADESH



## SUMMER HOLIDAY HOME WORK

NAME:.....

CLASS:.....

ROLL NO.....



**SHIVAJI GROUP OF INSTITUTIONS**  
**SUMMER VACATION WORK (2025-26)**  
**CLASS- 11E**

Subject	Holiday Work															
Hindi	<div>1. भारतेन्दु हरिश्चंद्र , सूरदास जी की जीवनी याद करके लिखें  </div> <div>2. प्रयाग : पाठ का हिंदी में संदर्भ सहित अनुवाद करें  </div> <div>3. वीर तथा करुण रस की परिभाषा उदाहरण सहित लिखें  </div> <div>4. अपने गांव अथवा मुहल्ले में फैली गन्दगी कि सफाई हेतु नगर पालिका अध्यक्ष को एक शिकायती पत्र लिखिए  </div> <div>5. प्रदूषण समस्या एवं समाधान एक निबंध लिखिए  </div>															
English	<div>1. Write the articles on the following topics .</div> <div><div>I. Dowry system</div><div>II. Artificial Intelligence</div></div> <div>2. Write summery of the following poems</div> <div><div>I. A Photograph</div><div>II. Laburnum Top</div></div> <div>Write and learn 20 idioms and make sentences .</div>															
Math	Draw the graph of all Trignometric Functions On Chart Paper .															
Physics	<div>1- Derive Equation of motion by Calculus method. ( Roll No 1 to 5 )</div> <div>2- Derive Equations of motion by Graphical method. ( Roll No 6 to 10 )</div> <div>3- Prove that path of projectile is parabolic , also find expression of time of flight , Maximum Height and Range. ( Roll No 11 to 20 )</div> <div>4- Explain triangle and parallelogram law of vector addition. ( Roll No 21 to 26 )</div> <div>5- Explain Newton's laws of motion in brief. ( Roll No 27 to 32 )</div> <div>6- Define hook's law and prove steel is more elastic than rubber. ( Roll No 33 to 40 )</div> <div>7- Explain Principle of Bernoulli explain working of two apparatus based on this principle. ( Roll No 41 to 46 )</div> <div>8- Explain working of hydraulic lift and Brake. ( Roll No 47 to rest all )</div>															
Chemistry	<div>Make an assignment on following topic in A4 sheet-</div> <table><tr><th>S.NO.</th><th>Investigatory Project</th><th>Roll No.</th></tr><tr><td>1</td><td>Study of common food adulterants in fat, butter, sugar, turmeric powder, chill powder and pepper</td><td>(1,3,5,7,9,11,32,34,35,38)</td></tr><tr><td>2</td><td>Study of rate of fermentation of flour, fruit, juices and vegetable juices</td><td>(2,4,6,8,12,22,24,26,28,30)</td></tr><tr><td>3</td><td>Extraction of essential oil present in saunf (aniseed), ajwain, illaichi</td><td>(13,10,15,17,19,21,20,23,14)</td></tr><tr><td>4</td><td>Study of sterlisation of water with bleaching powder</td><td>(25,27,29,31,33,16,18,39,40)</td></tr></table>	S.NO.	Investigatory Project	Roll No.	1	Study of common food adulterants in fat, butter, sugar, turmeric powder, chill powder and pepper	(1,3,5,7,9,11,32,34,35,38)	2	Study of rate of fermentation of flour, fruit, juices and vegetable juices	(2,4,6,8,12,22,24,26,28,30)	3	Extraction of essential oil present in saunf (aniseed), ajwain, illaichi	(13,10,15,17,19,21,20,23,14)	4	Study of sterlisation of water with bleaching powder	(25,27,29,31,33,16,18,39,40)
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Biology	<div>Make a project file ( Draw a neat and labelled diagram on Art Sheet and Write 8-10 characteristics features on Comment Sheet of each of the following .)</div> <div>➤ Hydrilla , Vallisneria , Ceratophyllum , Najas , Spirodela , Azolla , Lemna , Salvinia , Trapa , Nelumbo , Nymphaea , Marsilia , Ranunculus , Sangittaria , Scirpus , Cyperus , Nerium , Calotropis , Acacia , Opuntia , Bryophyllum , Aloe Vera , Euphorbia</div>															
Computer	<div>Project Work:</div> <div>Paste the following coloured picture in chart paper and also explain in short .</div> <div>( निम्नलिखित तत्वों के चित्रों ( रंगीन ) को एक चार्ट में चिपकाएँ और उनके बारे में संक्षेप में लिखिए )</div> <div>➤ Input Device ( Keyboard , Mouse , Joystick , Lightpen ,Scanner )</div> <div>➤ Output Device ( Monitor Printer , Plotter , Projector , Speaker )</div> <div>➤ Draw the block Diagram of computer and explain it with its components .</div> <div>(कम्प्यूटर का ब्लॉक चित्र बनाकर उसके सभी अवयवों का वर्णन संक्षेप में कीजये )</div>															