PRATAP INTERNATIONAL SCHOOL
SUMMER HOLIDAY HOMEWORK
CLASS XII

SUBJECT	TOPICS
Physical Education	**Project File (1) :-** Major Game (Choose any one) 1- Basketball 2- Badminton 3- Volleyball 4- Kho - Kho 5- Kabaddi **Project File (2) :-** Yoga
Accountancy	One specific project based on financial statement analysis of a company covering any **two aspects** from the following: 1. Comparative and common size financial statements 2. Accounting Ratios 3. Cash Flow Statements
History	1. The mysteries behind the mound of dead – Mohenjo-Daro 2. An In-depth study to understand Spiritual Archaeology in the Sub-Continent 3. Buddha's Path to Enlightenment 4. Insight and Reflection of Bernier's notions of The Mughal Empire 5. An exploratory study to know the women who created history 6. "Mahatma Gandhi" – A legendary soul 7. To reconstruct the History of Vijaynagar through the Archaeology of Hampi 8. The emerald city of Colonial Era – BOMBAY 9. Vision of unity behind the first war of Independence 10. Divine Apostle of Guru Nanak Dev 11. Help, Humanity and Sacrifices during Partition 12. Glimpses inside Mughals Imperials Household 13. The process behind the framing of the Indian Constitution 14. The 'Brahm Nirupam' of Kabir – A journey to Ultimate Reality
Business Studies	Students are supposed to select one unit out of four and are required to make only **ONE project** from the selected unit: **Project One**: Elements of Business Environment **Project Two**: Principles of Management **Project Three**: Stock Exchange **Project Four**: Marketing

Political Science	1. The Bipolar 19th Century World.
	2. The American perspective on the globe is a superpower.
	3. Third World representation in international politics.
	4. Green politics are urgently needed.
	5. The profoundly distorted notion of the UN.
	6. The existential dilemma facing African countries.
	7. Sceptics of Europe: Is Brexit the answer?
	8. Where are the refugees supposed to belong?
	9. The cruel violation of human rights.
	10. Corporate citizens play a part in the advancement of the country.
	11. Is using soft politics a fresh approach to breaking impasses?
English	Prepare a project on any one of the authors.- Kamla Das William Douglas John Keats Robert Frost William Wordsworth
Economics	Students are supposed to make only **ONE project** from these topics: • Goods and Services Tax Act and its Impact on GDP • Government Budget & its Components • Digital India- Step towards the future • Make in India – The way ahead • Aatmanirbhar Bharat • New Education Policy (NEP) 2020: A Promise for a New Education System • G-20: Inclusive and Action Oriented • Cashless Economy • Rain Water Harvesting – A solution to water crisis
Math	Do the NCERT exercises 5.1 to 5.7
Music	Do the definition Unit-1.1,1.2
Hindi	उपविषय- फीचर एवं आलेख
Applied Maths	DO M.L. AGARWAL Exercises
Psychology	PTSD, it's causes and it's treatment using psychological techniques
Computer Science	Python Programming ● Read a text file line by line and display each word separated by a #. ● Read a text file and display the number of vowels/consonants/uppercase/lowercase characters in the file. ● Remove all the lines that contain the character 'a' in a file and write it to another file. ● Create a binary file with name and roll number. Search for a given roll number and display the name, if not found display appropriate message. ● Create a binary file with roll number, name and marks. Input a roll number and update the marks. ● Write a random number generator that generates random numbers between 1 and 6 (simulates a dice). ● Write a Python program to implement a stack using list. ● Create a CSV file by entering user-id and password, read and search the password for

	given user.
Physics	1. To study various factors on which the internal resistance/EMF of a cell depends. 2. To find the refractive indices of (a) water (b) oil (transparent) using a plane mirror, anequiconvex lens (made from a glass of known refractive index) and an adjustable object needle. 3. To investigate the relation between the ratio of (i) output and input voltage and (ii) number of turns in the secondary coil and primary coil of a self-designed transformer. 4. To investigate the dependence of the angle of deviation on the angle of incidence using a hollow prism filled one by one, with different transparent fluids. 5. To study the factor on which the self-inductance of a coil depends by observing the effect of this coil, when put in series with a resistor/(bulb) in a circuit fed up by an A.C. source of adjustable frequency. 6.To study the earth's magnetic field using a compass needle -bar magnet by plotting magnetic field lines and tangent galvanometer.
Chemistry	Complete the project file
Biology	i) Write the following experiments in practical records as instructed by the Subject teacher. 1.To study the pollen germination on a slide. 2. To study the flowers adopted for pollination by different agencies (wind, insects etc.) 3. To study and identify stages of gamete development from TS of testis and TS of ovary through permanent slide. 3. To perform emasculation, begging and tagging for controlled pollination. 4. To study Mendelian inheritance using seeds of different colours sizes of any plant. 5. To study and identify common diseases causing organism like Ascaris, Entamoeba, Plasmodium, Ringworm through permanent slides or specimens comments on symptoms of disease that they cause. (ii) Prepare an investigatory project on any one of the topics given in the following list. 1. Drugs and Alcohol Abuse 2. Microbes in Sewage Treatment 3. Detailed study on Infertility, its causes and Treatment. 4. Microbes in Human Welfare