

CARMEL CONVENT SR SEC SCHOOL
SUMMER VACATION HOMEWORK (SESSION 2018-19)
CLASS IX – X & XII
Date of Submission: 21st June 2018

CLASS 9:

ENGLISH	Q.1 Answer the following questions. (i) Do you agree with Margie that schools today are more fun than the schools to the story? Give reasons for your answer. (ii) After you have made a choice do you always think about what might have been or do you accept the reality? (iii) "Evelyn was determined to live a normal life." What had happened to Evelyn and how did she manage it? Q.2 Practice solving two unseen passages. Q.3 Write a letter to your friend inviting her to spend summer holidays with you. Q.4 Write a paragraph describing any place of tourist importance you visited recently. Q.5 Read lessons 1- 5 from the supplementary reader, Moments, Write the character sketches and the important incidents in a separate note book.
HINDI / SANSKRIT	Hindi: हिंदी में 12 महीनों के नाम व उनमें आने वाले मुख्य चार त्योहारों के नाम लिख कर उनमें से दो के बारे में संक्षिप्त जानकारी फाइल में लिखिए। Sanskrit: गृहकार्य - * वर्णमाला - उच्चारण स्थान, वर्ण संयोजन व वियोजन के अभ्यास लिखें। * शब्दरूप व धातुरूप लिखें और याद करें। * प्रत्यय - क्त्वा, ल्यप्, तुमुन् का अभ्यास करें। * शेषमुष्ठी पुस्तक का द्वितीय पाठ - शब्दार्थ, प्रश्नोत्तर व समस्त अभ्यास याद करें। संस्कृत कार्यप्रणाली - प्रथमा से लेकर सम्बोधन विभक्ति तक के शब्दों प्रयोग करके प्रत्येक विभक्ति के दो-दो वाक्य बनाए।
MATHEMATICS	Maths Activity: To find the square root of 7 by spiral method by cutting and pasting in Lab Manual. 10 extra questions on Number systems and Polynomials to be done separately in a copy. Revise Ch 1- Number System, Ch 2-Polynomials, Ch 3 -Coordinate Geometry for Pre Mid Term.
SCIENCE	1. Prepare stained temporary mounts of a) onion peel b) human cheek cells and to record observations and draw their well labeled diagrams. 2. Identification of parenchyma, collenchymas and sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibers and nerve cells in animals from prepared slides. Draw their well labeled diagrams. 3. Separation of the components of a mixture of sand, common salt and ammonium chloride. 4. Performing the following reactions and classifying them as physical or chemical changes a) Iron with copper sulphate solution in water b) Burning of magnesium ribbon in air. c) Zinc with dil. Sulphuric acid. D) Heating of copper sulphate crystals. e) Sodium sulphate with barium chloride in the form of their solutions in water. 5. Determination of the melting point of ice and the boiling point of water. All these experiments should be written in practical notebooks.
SOCIAL STUDIES	Learn the lessons done in March and April. HISTORY-On an outline map of France mark the following places (PAGE 9) Nantes B) Bordeaux c) Paris D) Marseillaise E) Alsace CIVICS-Find out the names of any 5 non democratic countries of the world and compare the political conditions of these countries with that of democratic countries (Make a file). GEOGRAPHY-Do the maps given on page no. 10 Lesson 2(physiographic divisions ,important ranges and peaks and rivers)page no. 19 Lesson 3(major rivers and lakes)

COMPUTER	Revise Number System, Basics of Internet and its Services for test. Explore and Practice –Pivot animator on computer. Prepare Eco-friendly writing pad and file cover.
ART	Still life pencil Shading, landscape pencil shading.

CLASS 10:

ENGLISH	1. STORY OF MY LIFE (Novel): Read chapters 1 to 5. Write a paragraph each on the important character sketches from each chapter. Also write the important incidents from each chapter. 2. Answer the following questions in about 30 to 40 words: (i) How does that story "Two Gentlemen of Verona" promise hope for the society? (ii) Whose influence did the nightingale come under? What was the effect? (iii) Why has the mirror been called 'a four cornered God'? Why has the mirror been compared to a lake? 3. Practice solving two unseen passages of your choice. 4. Write a letter to your friend telling her how you spent your summer vacations. 5. During the day your grandfather misplaced his spectacles and was searching for it long. You got it under the washing machine. Write the experience in your diary. INSTRUCTIONS: Q1 to be done in a 120 pages notebook and Q2 to Q5 to be done in A4 ruled sheets and compiled in a punching file.
HINDI /SANSKRIT	Hindi: कोई भी 5 विज्ञापन फाइल में बनाए और सुनाए। Sanskrit: गृहकार्य - 1. संधि: -स्वर, व्यंजन विसर्ग संधियों के नियम लिखकर याद करें। 2. समय वाचन लिखकर याद करें। 3. पाठ्य पुस्तक मणिका के पाठ 1, 2 के सभी शब्दार्थ, सभी अभ्यास तथा सभी श्लोकों का अन्वय याद करें। कार्यप्रणाली - दिए गए विषयों में से प्रत्येक विषय पर दो-दो श्लोक अर्थ सहित लिखें। विषय -गुरु, विद्या, ईश्वर, परोपकार, वृक्ष।
MATHEMATICS	10 extra questions from Chapter 1-Real Numbers 10 extra questions from Chapter 2- Polynomials One activity based on Chapter 3-Pair of linear equations in two variables
SCIENCE	1. Preparing temporary mount of leaf peel to show stomata. 2. Studying a) binary fission in amoeba b) budding in yeast and hydra with the help of prepared slides. 3. Identification of the different parts of an embryo of a dicot seed. 4. Find the pH of the following samples by using pH paper /universal indicator a) Dil. HCl b) Dil NaOH c) dil ethanoic acid d) lemon juice e) water f) dil. hydrogen carbonate solution . 5. Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions: (a) $ZnSO_4(aq)$ (b) $FeSO_4(aq)$ (C) $CuSO_4(aq)$ (D) $Al_2(SO_4)_3$ 6. Arranging Zn, Fe, Cu and Al (metals) in the descending order of reactivity based on the above results. 7. Study of the following properties of acetic acid Odour, Solubility in water, Effect on litmus, Reaction with sodium hydrogen carbonate 8. Study the cleaning capacity of soap in soft water and hard water. All these above given experiments should be written in practical notebooks.
SOCIAL STUDIES	Learn the lessons done in March and April CIVICS- Read newspapers and make clippings of news related to ongoing conflicts or wars. Classify these conflicts by their location (your state, India, Outside India) (any 3 conflicts) GEOGRAPHY- Do map given on page 28 Major rivers and dams)
COMPUTER	Revise Microsoft Small Basic theory and programs for test. Explore and practice – Pivot animator and typing documents in Word Prepare Eco-friendly File cover.
ART	Pg. No. 48 to 49 (Pastel Colours) Pg. No. 57 or 59 (Water Colours)

CLASS 12:

Political Science	Write answers of all the extra questions given and solve the sample papers)
Chemistry	Practicals: - Preparation of Double Salt - Preparation, Purification of Sols. - Study of effects of Concentration and temperature on rates of reaction. - Chromatography - Volumetric Analysis for N/10, N/20, M/20, M/50 for More Salt and Oxalic Acid solution titrated against KMNO solution. - Detect the presence of Carbohydrates, Proteins and Fats in a given sample. - To detect Functional Group present in Organic Compounds: Test for Unsaturation Alcohols Aldehydes, Ketones Amines Carboxylic Acid Phenol - Qualitative Analysis that is to detect the presence of one cation and one anion present in a given salt. Investigatory projects assigned to students: - To study the diffusion in liquids and gases. - Amount of Caesin in the milk - Presence of Pesticides and Insecticides, sugar level and preservatives in cold drinks. - Foaming capacity of soap. - Hardness in water and also the total concentration of Ca and Mg present in the drinking water. - Preparation of Soyabean milk and comparison with natural milk. - Study of adulterants in food stuff. - Fermentation process. - Setting of Cement - Study of Oxalate ion content in Guava fruit etc.
Biology	Choose a topic for investigatory project and make it. There should be some investigation of your level. Prepare the theory syllabus which is already done. Write the practical record as per the instructions given.
Computer (C++)	Revise Class XI C++ portion, Unit 1 (portion covered) and Basic Concepts of Networking. Write the given programs (self-assessment sheet) along with their output in notebook.
Physics	Write the experiment in the lab manual. Practice NCERT numericals.
Physical Education	Complete AAHPER Test in practical files. Revise Ch-1, Ch-2
Maths	Revise Limits and derivatives (Class-XI). Learn trigonometry formulas of Class XI. Revise Ch-3 Matrices and Ch-4 Determinants with Examples. Solve 50 questions of each chapter other than NCERT

Business Studies	PROJECT TOPIC: PRINCIPLES OF MANAGEMENT The students are required to visit any one of the following: A Departmental store. OR A Fast Food Outlet. The students are required to observe the Application of General Principles of Management advocated by Fayol. OR The students may enquire into the application of Scientific Management Techniques by F.W. Taylor in the unit visited. Following essentials are required to be fulfilled for Presentation & Submission: 1. Total length of the project will be of 25 to 30 pages. 2. The project should be handwritten. 3. The project should be presented in a neat folder. 4. The project report should develop the following sequence- ❖ Cover page (include the title of the project, student information) ❖ Acknowledgement. ❖ Teacher's Certificate. ❖ Topic with suitable heading. ❖ List of contents. ❖ Introduction. ❖ Planning and activities done during the project, if any. ❖ Observations & findings of the visit. ❖ Conclusions (summarized suggestions or findings) ❖ Conclusion. ❖ Appendix.
English	Revise Chapters: Literature: Flamingo (Prose Section) 1. The Last Lesson 2. Lost Spring 3. Deep Water Poetry Section 1. My Mother at Sixty-Six. 2. An Elementary School Classroom in A Slum. 3. Keeping Quiet. Practice Papers: Reading section: Solve 10 Comprehension passages and 10 note making. Writing Section: Practice all writing skills done in class 11 and 12 (atleast 5 of each kind mentioned.) Literature: Solve 2 practice sheets based on each lesson mentioned. Novel: Read the Novel 'The Invisible Man' by H.G.Wells.
Economics	I. Project work (20 marks) * Students are supposed to pick any one of the two suggested topics * The project should be of 30_40 pages, preferably hand written Project(option_1) Suggested list 1. micro and small scale industries 2. food supply channels in India 3. Contemporary employment situation in India 4. Disinvestment policy 5. Self help group 6. Any other topic Project (option 2) 1. Price determination 2. Price discrimination 3. opportunity cost 4. Demand and determinants 5. Supply and determinants 6. Monopoly 7. Oligopoly 8. Any another topics * Students are supposed to collect information about the selected topic during holidays. * Teachers will help the students to write it after holidays. II. Prepare for unit test A. Chapter 1&2 (Micro economics) B. Chapters 1&2 (Macro economics)
Painting	Prepare 4 Buff Sheets.