



RAJA RAMMOHAN ROY ACADEMY

(Cambridge School)

Clement town, Dehradun

SUMMER ASSIGNMENT AND PROJECT WORK SESSION 2024-25 CLASS –IX

Subject	Project/ Assignment
Eng. Lang.	<p>Q1. Choose and write any two compositions from the following in about 300-350 words</p> <ol style="list-style-type: none">1) There are many humorous incidents that occur in every family. Describe one such incident that you and your family found really amusing.2) "Travelling should be a compulsory part of education." Express your views either for or against this statement.3) What career option attracts you and why? It need not be something that you will eventually do. But it must be something that is close to your heart. <p>Q2. Your school is going to organize a camp for the illiterates in the neighborhood. You, being the secretary of the Social Welfare Club of the school, wish to get a sponsor for the camp. Write a letter to the Chairman of a renowned industrial firm requesting to sponsor your mission. Write in detail how the school plans to organize the camp.</p> <p>Q4. Do Grammar exercises- Q5 a,b,c and d from Total English Practice Papers 5,6 and 7.</p>
Eng. Lit.	<p>Do any three of the following questions:</p> <p>Q1. Discuss the significance of the opening scene and give a historical background of Shakespeare's play, 'Julius Caesar'. Write in about 400 words.</p> <p>Q2. What character traits do Cassius show in Act 1 scene 2 while persuading Brutus to join the conspiracy? Justify by giving examples from the text. Write in about 400 words.</p> <p>Q3. 'Oliver Asks for More' is a glimpse of the cruel aspects of materialistic society- the brutal treatment and condition of children, especially the poor orphans. Discuss and elaborate. . Write in about 400 words.</p> <p>Q4. Discuss the development of thought in the poem, 'A Work of Artifice' by Marge Piercy. Write in about 400 words.</p>
Hindi	<p>" हिंदी परियोजना कार्य "</p> <ol style="list-style-type: none">1. आपको किस प्रकार के वस्त्र ज्यादा पसंद आते हैं? भारतीय परिधान क्या आपको लुभाते हैं? अपनी पसंद के वस्त्रों के विषय में विस्तार से चित्र सहित लेख लिखिए, साथ ही यह भी स्पष्ट कीजिए कि वह आपको क्यों पसंद है? (शब्द संख्या --ढाई सौ)2. अपने जीवन की कोई ऐसी घटना या किसी व्यक्तित्व का उल्लेख कीजिए, जिसने आपके जीवन की दिशा को आपकी सोच को बदल दिया हो.... (शब्द संख्या -ढाई सौ)3. साहित्य सागर: पाठ बात अठनी की कहानी का सारांश अपने शब्दों में कीजिए ।4. उपन्यास नया रास्ता के पात्रों मीनू और नीलिमा का चरित्र- चित्रण कीजिए ।5. संपूर्ण व्याकरण कार्य स्मरण कीजिए।

<p>Mathematics</p>	<p>A) Make a project on the following topics. (choose any 2) Topics: 1. Conduct a survey of the following of a group of students and represent the data graphically:</p> <p>(i) Height (ii) Weight (iii) Number of family members (iv) Number of brother(s) / sister(s) (v) Any other</p> <p>2. Draw a circle of radius r on a 1/2 cm graph paper and then on a 2mm graph paper. Estimate the area enclosed in each case by actually counting the number of squares. Now try out with circles of different radii. Establish the pattern, if any, between the two, observed values and the theoretical values (area = πr^2). Are there any modifications?</p> <p>3. Study ways of raising a loan to buy a car or house, e.g. bank loan or purchase a refrigerator or a television set through hire purchase.</p> <p>B) Revise chapter 1,2,3,4 and 5.</p>
<p>Physics</p>	<p>Make a project on any two topics from the following:</p> <p>(i) Laws of motion (ii) Pascal's Law and its applications (iii) Atmospheric Pressure and its Measurement (iv) Spherical Mirrors (v) Current Electricity (vi) Magnetism.</p> <p>Guidelines for making the project are as follows:</p> <p>(i) Write approximately 10 pages on each topics chosen by you. (ii) Make relevant diagrams and figures wherever required (iii) You can collect the information books and internet. (iv) Follow sequence given below</p> <ol style="list-style-type: none"> 1) Acknowledgement 2) Introduction 3) Content 4) Bibliography. <p>(v) Cover your project file with Orange Florescent sheet and decorate the top including school logo.</p>
<p>Chemistry</p>	<p>1. Balance the reactions given on page no 16 and 17 as question no 19, 20 and 21 in a separate thin notebook.</p> <p>2. Construct a working/static model on any one of the following topics .</p> <ul style="list-style-type: none"> • Water filtration system • Acid rain working model • Rutherford's alpha particle scattering experiment. • Global warming its effects and methods of prevention. <p>* Paste both the sets of periodic test paper in your notebook and solve it . * Revise chapter 1 and 3</p>
<p>Biology</p>	<p>1. Make a project of 10 pages with neat and labeled diagrams drawn in a project file on any one of the topic</p> <ol style="list-style-type: none"> a. Digestive system b. The Flower c. Seed Germination <p>2. Draw labeled diagrams of the following in the same file and write function of all the parts</p> <ol style="list-style-type: none"> a. Pollen grain

	<ul style="list-style-type: none"> b. Animal cell c. Bacterial cell d. Nucleus e. Types of muscular tissues <p>3. Revise Ch – 2,3 and 4.</p>
History/Civics	<p>Make a Project on any one of the given topics :</p> <p>1 The Indian Constitution protects the rights of children, women, minorities and weaker sections. Elaborate on the basis of a case study.</p> <p>2 Discuss the art and architectural features of the following:</p> <ul style="list-style-type: none"> a Buddhist caves, Ajanta b Iron Pillar, Mehrauli c St. Thomas Basilica, Chennai d Tower of Silence, Mumbai
Geography	<p>1. A record file having any three of the following exercises -</p> <ul style="list-style-type: none"> (a) Uses of important types of maps. (b) Directions and how to identify them - an illustrative diagram. (c) Reading and using statement of scale, graphic scale and scale shown by representative fraction method. (No drawing work, only explaining their meanings). (d) Drawing and recognizing forms of important contours viz. valleys, ridges, types of slopes, conical hill, plateau, escarpment and sea cliff. <p style="text-align: center;">OR</p> <p>2. Prepare a project report on any one topic. The topics for assignments may be selected from the list of suggested assignments given below.</p> <p>Suggested list of Assignments-</p> <ul style="list-style-type: none"> a) Weather records- Maintaining and interpreting weather records as found in the newspaper for at least one season. b) Collection of data from secondary sources (Using Modern technique i.e. GPS, Remote Sensing, Aerial Photography and Satellite imageries)- Prepare a Power Point presentation on current issues like-Use of earth resources / development activities / dangers of development and ecological disasters like droughts, earthquake, volcanoes, floods, landslides, cyclones and tornadoes in the world. c) Collect information on global environmental issues and problems and communicate your findings through appropriate modes (posters, charts, collages and Power Point presentation) d) Meteorological Instruments and their uses – Six's maximum and minimum thermometer, mercury barometer, aneroid-barometer, wind vane, anemometer, rain gauge and hygrometer.
Computer Application / Science	<ul style="list-style-type: none"> 1. Make PPT on Chapter 10 Computing and Ethics. (Minimum 20 Slides) 2. Write 5 Java Programs (Soft copy) along with outputs.
Economics / Eco Applications	<ul style="list-style-type: none"> 1 Make a question bank of 100 questions from the chap 1 and chap 2. 2 Make a project work on the topics discussed in the class.
Home Science	<ul style="list-style-type: none"> 1. Listing food eaten on any one day and classify them into food groups analysing them on the basis of the nutrients content and appearance. 2. Write any 10 Recipes of your own choices in proper format.

Physical Education	Make a project file on any two games and sports.
Art	Prepare 10 practice sheets each of both the papers:- 1. 10 Still life studies 2. 10 Nature studies.
Community Service	The students have to paste 4-5 pictures of themselves doing community service with a short write up of what they did for the community.