

Subject	Project/ Assignment
Eng. Lang.	<p>Q1. Write any two compositions (300 words each)</p> <ol style="list-style-type: none"> 1. "We ourselves are responsible for our ill-health in modern times." Express your views either for or against the statement. 2. You have spent a day observing some of the different jobs done in the workshop of a local employer. Write an account of what you saw and learnt. 3. 'Humanity is still alive.' Express your views either for or against the statement. <p>Q2. Write a letter for the 'Young Ideas' section of the local newspaper, encouraging people to involve themselves in voluntary community work.</p> <p>Q3. Total English- Do Q5 a,b,c,d from Test papers 5,6 and 7.</p>
Eng. Lit.	<p>Q1. Compare the funeral speeches of Brutus and Antony. What are their purposes? How effective is each speech? How does each speech reveal important aspects of both characters? Write in about 400 words.</p> <p>Q2 How does the story, "With the Photographer" expose the theme of Appearance vs. Reality? Write in about 400 words.</p> <p>Q3. Write a critical analysis of the poem, ' Haunted Houses ' by H W Longfellow. In what ways does the setting of the poem contribute to the theme of the passage of time.</p>

Hindi

1. "भारतीय नारी का गौरव , गरिमा,महिमा" इस विषय पर चित्र सहित विस्तारपूर्वक निबंध-लेखन कीजिए ।

(शब्द संख्या 500)

2. साहित्य -सागर से 'काकी' पाठ से दो मुख्य पात्रों के चित्र सहित चरित्र-चित्रण कीजिए ।(शब्द संख्या 50-50)

3.कहानी 'महायज्ञ का पुरस्कार' का सारांश अपने शब्दों में लिखिए ।

4. ' बात अठन्नी की' पाठ में चार पात्रों का वर्णन किया गया है । उनमें से यदि आप किसी पात्र की भूमिका में होते तो वह पात्र कौन सा होता और क्यों ? कारण सहित विस्तार पूर्वक लिखिए ।

Mathematics

A minimum of two assignments are to be done

(1) Running a tuck shop/ canteen

(2) Planning delivery routes for a postman/milkman

(3) Conduct a survey of a group of students and represent it graphically - height, weight, number of family members, pocket money, etc

(4) Study ways for raising loans to buy a car or house e.g bank loan or purchase a refrigerator or a television set through hire purchase

(5) Cutting a circle into equal sections of a small central angle to find the area of a circle by using the formula $A = \pi r^2$

(6) To use flat cut outs to form cubes, cuboids and pyramids to obtain formulae for volume and total surface area

(7) Planning a home budget

(8) Study of various types of bank accounts and rate of interest offered

(9) Draw a circle of radius r in a 1/2 cm graph paper, and then on a 2 mm graph paper. Estimate the area enclosed in each case by actually counting the squares. Now try out with circles of different radii. Establish the pattern if any between the two observed values and the theoretical value. Any modification?

(10) Comparative study of two different newspaper

<p>Physics</p>	<p>Make a project on any two topic from the following: -</p> <ol style="list-style-type: none"> 1. Refraction of Light at a Plane Surface and Lenses. 2. Current Electricity and Household Circuits. 3. Electromagnetism. 4. Radioactivity; Nuclear Fission and Fusion. <p>Guidelines for making the project are as follows: -</p> <ol style="list-style-type: none"> 1. Write approximately 10 pages on each topic chosen by you. 2. Make relevant diagrams and figures wherever required. 3. You can collect the information from books and internet. 4. Follow sequence given below: - <ol style="list-style-type: none"> (a) Acknowledgement (b) Introduction (c) Content (d) Bibliography 5. Cover your project file with Green Fluorescent sheet with school logo printed over it.
<p>Chemistry</p>	<ol style="list-style-type: none"> 1. Do the following experiments in a practical file as per the instructions given in the class. <p>Experiment 1 – To recognize and identify an unknown gas by dry test</p> <p>Experiment 2 – To study the effect of heat on the given substances.</p> <p>Experiment 3 – To identify the anion and cation present in the given salt.</p> <p>Experiment 4 – To identify copper oxide and manganese dioxide by using concentrated Hydrochloric acid</p> 2. Do the previous years Board Question Answers of Chapters-

1. Electrolysis
 2. Metallurgy
 3. Paste both the set of Periodic Test Paper in the chemistry notebook and solve them.
- Cover your practical file with black chart paper with school logo and session written on it.

Biology

- Do the following set of physiology experiments in a practical file.
- Experiment 1-To study mitosis in plant and animal cell
 - Experiment 2-To study the process of diffusion
 - Experiment 3-To study the process of osmosis using potato osmoscope
 - Experiment 4-To study the process of absorption in plants
 - Experiment 5-To show that chlorophyll is necessary for photosynthesis
 - Experiment 6-To show that carbon dioxide is necessary for photosynthesis
 - Experiment 7-To show that sunlight is necessary for photosynthesis
 - Experiment 8-To show that oxygen is released during photosynthesis
 - Experiment 9-To study the model of human eye
 - Experiment 10-To study the model of human ear
- Note: Labelled diagram should be drawn neatly on the blank pages with a pencil. No coloring is required

History/Civics	<p>Make a Project on any one of the given topics:</p> <ol style="list-style-type: none">1 Prepare a presentation on the influence of Gandhian principles on Martin Luther King or Nelson Mandela.2 Prepare a report on the contribution of the following agencies of the United Nations:<ol style="list-style-type: none">a UNESCOb WHO
Geography	<p>Students will be required to prepare a project report on any one topic. The topics for assignments may be selected from the list of suggested assignments given below. Students can also take up an assignment of their choice under any of the broad areas given below.</p> <p>Suggested list of assignments:</p> <ol style="list-style-type: none">1. Local Geography:<ol style="list-style-type: none">(a) Land use pattern in different regions of India– a comparative analysis.(b) The survey of a local market on the types of shops and services offered.2. Environment: Wildlife conservation efforts in India.3. Current Geographical Issues: Development of tourism in India.4. Transport in India: Development of Road, Rail, Water and Air routes.5. List different type of industries in the States and collect information about the types of raw materials used, modes of their procurement and disposal of wastes generated. Classify these industries as polluting or environment friendly and suggest possible ways of reducing pollution caused by these units.6. Need for industrialization in India, the latest trends and its impact on economy of India.7. Visit a water treatment plant, sewage treatment plant or garbage dumping or vermicomposting sites in the locality and study their working.

Computer Application / Science	<p>Write and execute five-five Java programs on the following topics.</p> <ol style="list-style-type: none"> 1. if-else-if and switch-case 2. Nested Loops 3. Sum of Number Series 4. Function and Function Overloading 5. Class and Objects 6. String handling 7. Arrays (Searching and Sorting) Single Dimension 8. Arrays Double Dimension <p>Do as per the directions given in the class.</p>
Economics / Eco Applications	<ol style="list-style-type: none"> 1 Make a question bank of 100 questions from the chapters covered in the class. 2 Make a project work on the topics discussed in the class.
Home Science	<ol style="list-style-type: none"> 1)Collecting 10 material and evaluating them in terms of their merits and demerits. 2)Identification of fabric cotton , wool ,silk and synthetic by the burning test . 3)listing food eaten on one day and classify them into food groups. 4)Write down 10 recipe using the different method of cooking.
Physical Education	<p>Make project file on any two games and sports.</p>
Art	<p>Prepare 10 practice sheets each of both the Papers for Assessment work</p> <p>10 Still life studies and</p> <p>10 Nature studies</p>
Community	<p>Paste 4-5 pictures of yourself doing community service with a short write up of what you did for the community.</p>

Service

RAJA RAMMOHAN ROY ACADEMY

(Cambridge School)

Clement town, Dehradun

SUMMER ASSIGNMENT AND PROJECT WORK

SESSION 2024-25

CLASS – X