



SUMMER ASSIGNMENT AND PROJECT WORK
SESSION 2023-24
CLASS - X

Subject	Project/ Assignment
Eng. Lang.	<p>Question 1. Write a composition (in approximately 350-400 words)on any one of the following subjects :</p> <p>a) Describe a bicycle trip, which you undertook with your friends through a mountaineers terrain.</p> <p>b) You have recently organised a variety entertainment Programme in your school .Give a vivid account of your experience.</p> <p>Question 2. Write an original short story beginning with these words: ' I did not believe in ghosts but tonight.....' Word limit (300- 350 words)</p>
Eng. Lit.	<p>Write the following assignment in 450-500 words</p> <ol style="list-style-type: none"> Describe in your own words the sight that inspired 'William Wordsworth' to write the poem 'Daffodils' also describe the poet's thoughts on seeing the daffodils. Shakespeare instills all the good qualities in his heroes. How far is this statement true with the character of Antonio in the play 'The Merchant of Venice'? How has the author T. S. Arthur in his short story ' An Angel in Disguise' shown that selflessness and compassion bring happiness not only for others but also for oneself?
Hindi	<p>परियोजना कार्य</p> <ol style="list-style-type: none"> उत्तर भारत के प्रसिद्ध तीर्थ स्थलों ,स्मारकों आदि के विषय में बताते हुए व लोक कला नृत्य, संस्कृति ,खान -पान ,रहन सहन ,बोली ,परंपराओं की चर्चा करते हुए प्रस्ताव लेख लिखिए । (शब्द संख्या 300) पाठ 'दो कलाकार' के पात्रों का परिचय चारित्रिक विशेषताओं का मिश्रण करते हुए पाठ उद्देश्य भी लिखिए ।(शब्द संख्या 200) ' महायज्ञ का पुरस्कार 'कहानी का सार व शीर्षक की सार्थकता स्पष्ट कीजिए ।(शब्द संख्या 200) नया रास्ता 'उपन्यास 'अध्याय 14 से 26 तक कथासार लिखिए ।मुख्य घटनाओं में से कोई दो घटनाओं का विस्तार से वर्णन भी कीजिए ।(शब्द संख्या 300)
Mathematics	<p>Maths Project</p> <p>Prepare projects on any two of the topics.</p> <ol style="list-style-type: none"> Comparative newspaper coverage of different items. Survey of various types of Bank accounts,rates of interest offered. Planning a home budget. Conduct a survey in your locality to study the mode of conveyance/Price of various essential commodities/favourite sports. Represent the data using a bar graph//histogram and estimate this mode. To use a newspaper to study and report on shares and dividends.

	<p>Prepare the following pages for your Project</p> <ol style="list-style-type: none"> 1. ACKNOWLEDGEMENT 2. INTRODUCTION 3. THEORY & WORKING 4. CONCLUSION 5. BIBLIOGRAPHY
Physics	<p>In the interleaf practical file, write the following: -</p> <p>Experiment No 1- To determine the Centre of Gravity of an Irregular Lamina using Plumb Line Method.</p> <p>Experiment No 2- Verification of Principle of Moments</p> <p>Experiment No 3- To study different kinds of Lever.</p> <p>Experiment No 4- To trace the path of a ray of light through a rectangular glass slab and mark lateral displacement.</p> <p>Experiment No 5- To trace the path of a ray of light through a triangular prism and mark angle of deviation.</p> <p>Experiment No 6- To study the Ring System of Wiring.</p> <p>Draw the relevant and necessary diagrams too on the blank side of the practical file.</p>
Chemistry	<ol style="list-style-type: none"> 1. Do the following experiments in a practical file as per the instructions given in the class. <ul style="list-style-type: none"> Experiment 1 – To recognize and identify an unknown gas by dry test Experiment 2 – To study the effect of heat on the given substances. Experiment 3 – To identify the anion and cation present in the given salt. Experiment 4 – To identify copper oxide and manganese dioxide by using concentrated Hydrochloric acid 2. Do the previous year's Board Question Answers of Chapters- <ul style="list-style-type: none"> 1. Acid, Bases and Salts 2. Analytical Chemistry 3. Paste I Unit Test Paper in the notebook and solve it again.
Biology	<p>Do the following set of physiology experiments in a practical file.</p> <p>Experiment 1-To study mitosis in plant and animal cell</p> <p>Experiment 2-To study the process of diffusion</p> <p>Experiment 3-To study the process of osmosis using potato osmoscope</p> <p>Experiment 4-To study the process of absorption in plants</p> <p>Experiment 5-To show that chlorophyll is necessary for photosynthesis</p> <p>Experiment 6-To show that carbon dioxide is necessary for photosynthesis</p> <p>Experiment 7-To show that sunlight is necessary for photosynthesis</p> <p>Experiment 8-To show that oxygen is released during photosynthesis</p> <p>Experiment 9-To study the model of human eye</p> <p>Experiment 10-To study the model of human ear</p> <p>Note: Labelled diagram should be drawn neatly on the blank pages with a pencil. No colouring is required</p>
History & Civics	<p>Make a project on any one of the following topics. Project should not exceed more than 1500 words. It should be interesting. Paste more pictures to make it interesting.</p> <ol style="list-style-type: none"> 1. 1st War of Independence 1857 (was it a war of Independence or a Sepoy Mutiny) <p style="text-align: center;">OR</p> <ol style="list-style-type: none"> 2. Working of Union Parliament.(Parliamentary procedures, powers and functions,)
Geography	<p>Make a project on any one of the topic given below:</p> <p>The suggested evaluation criteria for project work will be...</p> <ul style="list-style-type: none"> *Index *Acknowledgement *Introduction *Contents *Bibliography

	<p>The suggested list for the project is-</p> <ol style="list-style-type: none"> 1. Environment: Wildlife conservation efforts in India. 2. Current Geographical Issues: Development of tourism in India. 3. Transport in India: Development of Road, Rail, Water and Air routes. <p>Paste pictures and maps related to topic and sub-topics.</p>
Computer Application	<p>Computer Application 10th Project(2023-24)</p> <p>Write Five (5) Java Programs on each of the following Topics along with Index, Acknowledgement, Question, Output, Variable Description and Bibliography (Soft Copy is to be submitted before taking printouts)</p> <ol style="list-style-type: none"> 1. Conditional programs including if-else-if and switch-case. 2. Loops and nested loops 3. Number series/ Sum of the Number Series. 4. Number names 5. Function/ Function Overloading 6. Classes and Objects 7. Strings 8. Arrays(1D and 2D) <p>Do your project work as per the instructions given in class.</p>
Physical Education	<p>Prepare projects on any two games of your choice.</p>
Home Science	<p>Collecting 10 materials and evaluating them in terms of their merits and demerits.</p> <p>Identification of fabric cotton, wool silk and synthetic by the burning test.</p> <p>Listing food eaten on one day and classify them into food groups.</p> <p>Write down 10 recipes using the different method of cooking.</p>
Economics Application	<ol style="list-style-type: none"> 1. Paste any 10 articles in your notebook from any newspaper or magazine related with money and factors of production. 2. Make a list of any ten relatives and categorise them into various kinds of Labour. 3. Write a note on the Cryptocurrency. 4. Write a critical analysis how rapid development and urbanization have affected the ecosystem of Dehradun. 5. Explain in detail the various factors responsible for affecting the efficiency of Indian Labour with suitable examples. 6. Prepare a project file(Hard cover file) on any topic as discussed in the class with following pages <ol style="list-style-type: none"> a) Index b) Acknowledgement c) Content of the project d) Conclusion e) Bibliography
Arts	<p>Draw and colour 10-10 sheets each of Still life and Nature study along with the File folders</p>