ROSE BUD SCHOOL. LILUAH
CLASS XII
PROJECT WORK
SESSION 2021-2022

SUBJECTS	PROJECT WORK
English language	Listening skills – to be taken in class Speaking skills – to be taken in class Writing skills - Narrate a suspenseful story with at least five characters.
English literature	From the play 'Tempest' give a character analysis of Caliban
Commerce	Project1: Find out the procedure to open a savings account in a commercial bank. Find out the details of various Agency and General Utility Services provided by the Bank. Project2: Select any business undertaking. Study the selected business in terms of ownership, Capital and profitability. Make a SWOT analysis and present it in a tabular form
Economics	Project1: Compare the contribution made by different sectors of the economy towards GDP growth during the planning period. Project 2: Make a comparative analysis of lending performance of five Commercial Banks in the past six years with reference to the changing CRR and SLR.
Business studies	Project work ISC Business Studies- Topic 1: Evaluate the selection process of any two firms from the Corporate World and discuss their benefits and drawbacks vis-a-vis each other. Topic 2: Study the various types of leaves made available to employees. Leaves can be considered on financial cost to the organization.
Accounts	1) Preparation of Journal/sub-division of journal, Ledger, Trial balance and Financial Statements of a partnership firm of business on the basis of a case study. • Develop a case study showing how two or more friends decide to come together and start a business with a certain amount of capital. • Prepare their Partnership Deed including interest on capital, partner's salary, commission interest on drawings, interest on partner's loan and rent paid to a partner. • Write in detail, their transactions during the year: purchases – cash and credit, sales- cash and credit, expenses, purchase of fixed assets and depreciation charged on them, any outstanding expenses, prepaid expenses, accrued income, drawing bills of exchange, accepting bills payable etc. • From this case study developed(which should have at least 15 transactions), pass the journal entries, post them into ledger, prepare a Trial Balance and the Trading and Profit and Loss Account, Profit and Loss Appropriation Account and Balance

	Sheet. • The various expenses, for comparison purposes, could be depicted in the form of bar diagrams and pie charts. • Calculate relevant accounting ratios like liquidity, solvency, activity and profitability giving their formulae and computation(all this could be part of the viva-voce). • The ratios could also be shown graphically and/ or pictorially (bar diagrams and pie charts) and if possible could be compared with the ratios of the industry. 2) Preparation of Common Size and Comparative Income Statement and Balance Sheet of a company by taking into account its audited, unaudited/ imaginary financial results of two consecutive quarters of an accounting year or two consecutive accounting years. • The comparison has to be made in the form of Common Size and Comparative Income Statement and Balance Sheet. • The comparison could also be shown graphically and/or pictorially (bar diagrams and pie charts).
History	1. Martin Luther King 2. Protest Movement
Political science	1. Role of National Human Rights Commission in safeguarding the rights of the underprivileged 2. Party system in India
Sociology	*Candidates will be required to prepare two projects on the given topics.* • Different marriage customs in India (comparisons can also be done) • Women Leaders.
Mathematics	<u>Candidates will be expected to have completed two projects, one from Section A and one from either Section B or Section C.</u> **Mark allocation for each Project [10 marks]:** **<u>Section A</u>** 1. Using a graph, demonstrate a function which is one-one but not onto. 2. Using a graph demonstrate a function which is invertible. 3. Draw the graph of $y = \sin^{-1} x$ (or any other inverse trigonometric function), using the graph of $y = \sin x$ (or any other relevant trigonometric function). Demonstrate the concept of mirror line (about $y = x$) and find its domain and range. 4. Explore the principal value of the function $\sin^{-1} x$ (or any other

	inverse trigonometric function) using a unit circle. 5. Explain the concepts of increasing and decreasing functions, using geometrical significance of $\frac{dy}{dx}$. Illustrate with proper examples. 6. Explain and illustrate (with suitable examples) the concept of local maxima and local minima using graph. 7. Demonstrate application of differential equations to solve a given problem (example, population increase or decrease, bacteria count in a culture, etc.). 8. Explain the conditional probability, the theorem of total probability and the concept of Bayes' theorem with suitable examples. **Section B** 9. Using vector algebra, find the area of a parallelogram/triangle. Also, derive the area analytically and verify the same. 10. Find the image of a line with respect to a given plane. 11. Find the area bounded by a parabola and an oblique line/parabola. (Any other pair of curves which are specified in the syllabus may also be taken) **Section C** 12. Draw a rough sketch of Cost (C), Average Cost (AC) and Marginal Cost (MC) Or Revenue (R), Average Revenue (AR) and Marginal Revenue (MR). Give their mathematical interpretation using the concept of increasing - decreasing functions. 13. For a given data, find regression equations by the method of least squares. Also find angles between regression lines. 14. Using any suitable data, find the Optimum cost/ profit by formulating a linear programming problem (LPP).
Hindi	Listening Skill -> to be done in the class. Speaking Skill -> to be done in the class. Writing skill -> "Saranagat" Kahani ke rachna kar ka purna parichay dete huye kahani ka saransh apne sabdo mein samjhakar likhiye. (1000 se 1500 tak sabdo mein)
Bengali	Listening Skill -> to be done in the class. Speaking Skill -> to be done in the class. Writing skill -> Write a summer of ch 'Anachar'. From Probondho o godya Sankolan in approximately 1000 to 1500 words.
Physics	To determine of a resistance of Galvanometer by half deflection method and to find it's figure of merit.
Chemistry	Students are required to do a project work on any one topic given :

	Topic 1: Types of Dyes – Method of preparations. Topic 2: Chemicals in medicines: antiseptics, antibiotics, antacids etc and their uses. Topic 3: Chemical and Chemical process in forensic studies. Format to be followed: <u>Format:</u> • Introduction • Content • Analysis / Materials (Data/ Structures) • Presentation of Contents • bibliography
Biology	Project of Genetic disorders.

****