



LOYOLA CONVENT SCHOOL, RANCHI
SESSION 2026-27
CLASS XII HOLIDAY HOME WORK

SUB	ASSIGNMENT
ENGLISH	<p>Any one topic</p> <p>1. Students can choose a topic on which to do their research/ interview, e.g. On topic: Evolving food tastes in my neighbourhood or Corona pandemic and the fallout on Families. Conduct interviews with a few neighbors and then write an essay/ write up / report upto 1000 words.</p> <p>2. Students will listen to podcasts/ Interviews/ radio or T.V documentary on a topic and prepare a report. Countering or agreeing with the speakers</p> <p>3. The project can be inter- disciplinary in theme. The ideas / issues highlighted In the Chapters/ poems/ drama in the prescribed books can be developed in the form of a project. Students can also take up any relevant and age -appropriate theme</p> <p>PROJECT TO BE DONE IN HARD BOUND FILE.IT SHOULD BE COVERED WITH BLACK CHART PAPER. For further queries refer to CBSE website/ syllabus- 2026-27</p>
PHYSICS	<p>ACTIVITIES</p> <p>1. To assemble a household circuit comprising three bulbs, three (on/off) switches, a fuse and a power source.</p> <p>2. To assemble the components of a given electrical circuit.</p> <p>3. To draw the diagram of a given open circuit comprising at least a battery, resistor/rheostat, key, ammeter and voltmeter. Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram.</p> <p>4. To identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items.</p> <p>5. To use a multimeter to see the unidirectional flow of current in case of a diode and an LED and check whether a given electronic component is in working order.</p> <p>6. To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab.</p>
CHEMISTRY	<ol style="list-style-type: none">1. Discussion of Henry's law, Raoult's law, ideal solution and non ideal solution and colligative properties with mathematical formula.2. Concentration of the solution - Details with formulas.3. Electrochemical cell - Details discussion .4. Nernst equation, Batteries with complete discussion.5. Numerical (first -20) from chapter -1,2 & 3.6. Define: Rate law, Order of reaction, Molecularity, Unit for rate constants of zero, 1st, 2nd ,nth order. Arrhenius equation in details.

<p>BIOLOGY</p>	<p>A. Make a Project [HARD COVER FILE] as prescribed by the CBSE guidelines on ANY ONE of the following topics</p> <ol style="list-style-type: none"> 1. Drug Addiction and its Impact 1. Cancer: Causes, Detection, and Treatment: 2. Infertility: Causes and Reproductive Technologies: 3. Biodiversity Loss and Conservation 4. r DNA technology in today's world of medicine 5. GMO and agriculture <p>or any topic of your choice.</p> <p>PROJECT TO BE DONE IN HARD BOUND FILE.IT SHOULD BE COVERED WITH BLACK CHART PAPER. For further queries refer to CBSE website/ syllabus- 2026-27</p> <p>B. Complete the biology practicals done in the class.</p>
<p>MATHEMATICS</p>	<p>Complete the following activities in Laxmi Publication Lab Manual Book (Part of your Internal Assessment for Board Exam)</p> <p>Lab Activity 1: To verify whether a given relation is reflexive, symmetric and transitive.</p> <p>Lab Activity 2: To demonstrate a function which is one-one but not onto.</p> <p>Lab Activity 3: To sketch the graph of $\sin^{-1}(x)$ using the graph of $\sin x$.</p> <p>Lab Activity 4: To find analytically the limit of a function $f(x)$ at $x = c$ and to check the continuity of the function at that point.</p> <p>Lab Activity 5: Understanding conditional probability through an experiment using a pair of dice.</p>
<p>HISTORY</p>	<p>Make a Project [HARD COVER FILE] as prescribed by the CBSE guidelines on ANY ONE of the following topics.</p> <ol style="list-style-type: none"> 1. Indus Valley Civilization 2. Mauryan Empire 3. Gupta Empire 4. Critical edition of Mahabharata 5. Traveller's Accounts on Medieval India 6. Vijayanagara Empire 7. History of the Framing of the Indian Constitution

GEOGRAPHY	<ul style="list-style-type: none"> ● Describe the humanisation of nature and naturalisation of human. ● Explain the various type of settlements with example. ● Describe the various land use pattern in India. ● On the outline map of India label any 10 major wildlife Sanctuaries and 10 national parks of India. ● Explain the “Trans- Siberian railway with the relevant map. ● On the political outline map of India label different national parks and parks and international airports
POL SCIENCE	<p>Make a Project [HARD COVER FILE] as prescribed by the CBSE guidelines on ANY ONE of the following topics.</p> <p>India’s Relations with China India-Pakistan Relations Challenges of Nation Building in India Linguistic Reorganisation of States Emergency of 1975 and Its Consequences United Nations and organizations India and Russia Relations European Union ASEAN</p>
ECONOMICS	<p>Complete project file(consisting of 35-40 pages) of Economics from any one of the topics mentioned:-</p> <p>Micro and Small Scale Industries • Food Supply Channel in India • Contemporary Employment situation in India • Disinvestment policy of the government • Goods and Services Tax Act and its Impact on GDP • Health Expenditure (of any state) • Human Development Index • Inclusive Growth Strategy • Self-help group • Trends in Credit availability in India • Monetary Policy Committee and its functions • Role of RBI in Control of Credit • Government Budget & its Components • Trends in budgetary condition of India • Exchange Rate determination – Methods and Techniques • Currency War – reasons and repercussions • Livestock – Backbone of Rural India • Alternate fuel – types and importance • Sarva Shiksha Abhiyan – Cost Ratio Benefits • Golden Quadrilateral- Cost ratio benefit • Minimum Support Prices • Relation between Stock Price Index and Economic Health of a Nation • Waste Management in India – Need of the hour • Minimum Wage Rate – Approach and Application • Digital India- Step towards the future • Rain Water Harvesting – A solution to water crisis • Vertical Farming – An alternate way • Silk Route- Revival of the past • Make in India – The way ahead • Bumper Production- Boon or Bane for the farmer • Rise of Concrete Jungle- Trend Analysis • Organic Farming – Back to the Nature • Aatmanirbhar Bharat • e-Rupee (e- ₹) • Sri Lanka’s Economic Crisis • Sustainable Development Goals (SDG’s)</p>
B.ST	<p>Complete project file(consisting of 35-40 pages including images and cutouts) of BUSINESS STUDIES from any one of the topics mentioned:-</p> <p>.Elements of Business Environment .Principles of Management .Stock Exchange .Marketing (Adhesives 2. Air conditioners 3. Baby diapers 4. Bathing Soap 5. Bathroom cleaner 6. Bike 7. Blanket 8. Body Spray 9. Bread 10. Breakfast cereal 11. Butter 12. Camera 13. Car 14. Cheese spreads 15. Chocolate 16. Coffee 17.</p>

	Cosmetology product 18. Crayons 19. Crockery 20. Cutlery 21. Cycle 22. DTH 23. Eraser 24. e-wash 25. Fairness cream 26. Fans 27. Fruit candy 28. Furniture 29. Hair Dye 30. Hair Oil 31. Infant dress 32. Inverter 33. Jams 34. Jeans 35. Jewellery 36. Kurti 37. Ladies bag 38. Ladies footwear)
ACCOUNTS	<p>Project Work One specific project based on financial statement analysis of a company covering any two aspects from the following:</p> <ol style="list-style-type: none"> 1. Comparative and common size financial statements 2. Accounting Ratios 3. Segment Reports 4. Cash Flow Statements
COMPUTER SCIENCE	<ol style="list-style-type: none"> 1. Write a user-defined function Palindrome() to check whether a given string is a palindrome or not. 2. Write a function CountCase() that counts uppercase and lowercase letters in a string. 3. Write a Python program using a function to find the largest among three numbers. 4. Write a recursive function to calculate the factorial of a number. 5. Write a program to print the following pattern using nested loops: 1 12 123 1234 6. Write a program to display all prime numbers between 1 and 100 using looping statements. 7. Write a Python program to check whether a year is a leap year or not using decision-making statements. 8. Write a program to calculate electricity bill based on the following conditions: First 100 units → ₹5/unit Next 100 units → ₹7/unit Above 200 units → ₹10/unit 9. Write a program to generate a random number between 1 and 50 and allow the user to guess it using the random module. 10. Write a program using the random module to simulate rolling a dice 10 times. 11. Write a Python program to create a list of numbers and display the sum of even numbers only. 12. Write a program to input 10 numbers in a list and display the largest and smallest numbers. 13. Write a program to remove duplicate elements from a list. 14. Write a Python program to create a tuple containing 10 integers and display only those numbers that are divisible by 5.

	<p>15. Write a program to count the frequency of an element in a tuple.</p> <p>16. Write a program to count the number of vowels, consonants, digits, and special characters in a string.</p> <p>17. Write a Python program to replace all spaces in a string with #.</p> <p>18. Write a program to create a text file data.txt and write user-entered content into it.</p> <p>19. Write a Python program to read a CSV file containing student details and display records of students scoring above 80 marks.</p> <p>20. Write a Python program to append new student records into an existing CSV file and display all records after updating.</p>
HINDI	<p>ग्रीष्मावकाश गृहकार्य सत्र 2026-2027 कक्षा ग्यारहवीं व बारहवीं हिन्दी परियोजना कार्य विषय: विविध माध्यमों के लिए लेखन प्रमुख जनसंचार माध्यम प्रिंट माध्यम तुलनात्मक प्रभाव भाषा शैली विशेषताएँ रेडियो टेलीविजन इंटरनेट योगदान आपका सुझाव परियोजना कार्य आधार बिंदु विषय आभार ज्ञापन विषय सूची उद्देश्य विषय विवरण साक्ष्य संग्रह अध्ययन का परिणाम स्रोत प्रमाण पत्र अध्यापक टिप्पणी</p>

048- PHYSICAL EDUCATION	<p>IN LAB MANUAL</p> <ul style="list-style-type: none"> ➤ Practical-1: Fitness tests administration. (SAI Khelo India Test) ➤ Practical-2: Procedure for Asanas, Benefits & Contraindication for any two Asanas for each lifestyle disease. ➤ Practical-3: Anyone one IOA recognized Sport/Game of choice. Labelled diagram of Field & Equipment. Also, mention its Rules, Terminologies & Skills.
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