



LOYOLA CONVENT SCHOOL, RANCHI

Summer Holiday Homework (2025-26)

Class- X

ENGLISH

1. TOGETHER WITH (Pull-out sheet)

Reading Section:

Do units 3,4, 5.

Writing Section:

Do units 17,18 &19.

Grammar Section:

Do units 41,42 & 43

Literature Section :

Do units 56,57,66,67,68,76 & 77

2. Design a travel brochure highlighting the key attractions and experiences of India & it's diverse regions.

You may add the following points-

1 - North, South, East and West India.

2 - Festivals and Cuisines

3 - Travel tips.

Do the project properly in a project file with Acknowledgement, Index, colourful pictures, certificate and bibliography.

HINDI

1. परियोजनाकार्य

विषय:- "विज्ञापनलेखन"(केवल-10)

परियोजना कार्य आधार बिंदु

1. विषय
2. आभारज्ञापन
3. विषयसूची
4. उद्देश्य
5. विषयविवरण
6. साक्ष्यसंग्रह
7. अध्ययनकापरिणाम
8. स्रोत
9. प्रमाणपत्र
10. अध्यापकटिप्पण

2. अभ्यासप्रश्नपत्र 1- 8 अपठितबोध(दूगेदरविद)

SANSKRIT

1. परियोजनाकार्य

विषय:-

संधिकार्य(स्वरसंधि,व्यंजनसंधि)20-20 शब्दाः

परियोजनाकार्यआधारबिंदु

1. विषय
 2. आभारज्ञापन
 3. विषयसूची
 4. उद्देश्य
 5. विषयविवरण
 6. साक्ष्यसंग्रह
 7. स्रोत
 8. प्रमाणपत्र
 9. अध्यापकटिप्पणी
2. अभ्यासप्रश्नपत्राणि 1-5 अपठितअवबोधनदूरेदरविद

MATHEMATICS

1. Maths Lab Manual – Activity – 1,2,3,7,8.
2. Chapter-2 (R.S Aggarwal)
MCQ Exercise (Q 1 to 28)
3. Chap 3 (R S Aggarwal)
Example 1 to 33 of/before Ex-3E
4. Write different types of Triangles with their properties.
5. Write all the Similarity criteria of Triangles with proof.

SCIENCE

PHYSICS

Part A: Theory Questions

1. Define the following terms:
Reflection of light, Refraction of light,
Refractive index, Optical density
2. State the laws of reflection and the laws of refraction.
3. Differentiate between:
Real and virtual images, Concave and convex mirrors (at least two differences), Concave and convex lenses (at least two differences)
4. Draw ray diagrams for:
I. Image formation by a concave mirror when the object is placed beyond the centre of curvature.
ii. Refraction of light when it passes from air into glass.

Part B: Numerical Problems

1. A concave mirror has a focal length of 15 cm. Where should an object be placed to get a real, inverted image of the same size?
2. An object is placed 10 cm from a convex mirror of focal length 15 cm. Find the position and nature of the image.
3. A lens forms a virtual image 30 cm away from it when the object is placed 15 cm in front of it. Find the focal length and type of the lens.

4. A ray of light passes from glass (refractive index 1.5) to air. If the angle of incidence is 30° , find the angle of refraction.

Part C: Research & Activity

1. Collect at least two applications of each of concave mirrors, convex mirrors, concave lenses, and convex lenses in daily life. Make a table or chart.

CHEMISTRY

1. To complete all the types of chemical reactions with 3-3 examples
2. Preparation of soda acid fire extinguisher with diagram.
3. Details explanation of corrosion and rusting with proper examples and prevention.
4. Importance of pH in everyday life and more about salts.

BIOLOGY

1. Make an investigatory project on any three diseases that have increased at a fast rate in India in the last few years.

Explain it under the following point

- A. Name of disease
 - B. Causes of disease
 - C. Organ affected
 - D. Mode of prevention
2. Draw a labelled diagram of the following
 - A. Digestive system
 - B. Respiratory system
 - C. Heart
 3. Answer the following
 - A. What are the various ways of oxidation of glucose? Show it in a flow chart only.
 - B. Name the energy currency in the living organism. When and where is it produced?
 - C. Why is transportation important for plants?
 - D. Explain double circulation
 - E. What is the role of lymph?

SOCIAL SCIENCE

HISTORY & GEOGRAPHY

1. Prepare an interdisciplinary project on "Lifeline of National Economy" based on the concern chapter of Geography, Economics and History in biodegradable file.
2. On the outline map of India label major national parks and wildlife sanctuaries.
3. On the outline map of India show the different types of soil and colour it.
4. Explain the strange case of formation of Britain.
5. Explain the different measures for the development of nationalism in Europe or France.

CIVICS

1. Identify and analyse current challenges to Indian democracy (e.g., fake news, political funding, etc.) through newspapers or online articles.
2. Conduct a survey to find what people think are the strengths and weaknesses of Indian democracy.
3. Survey people around you about which political party they support and why. Present your data using graphs or charts.
4. Study the role of pressure groups in shaping government policies with real examples (like RTI Act activism)
5. Research how power is shared in a federal country like the USA or Germany. Compare it with India.

ECONOMICS

Draw a flowchart of Primary, secondary and tertiary activities in your holiday H.W. Notebook.

COMPUTER

(All HHW to be done in Practical Stick File A4 Sheets)

1. What is Fill Format Mode? Write the steps to apply styles using Fill Format Mode.
2. Write the steps for creating New Style by Drag & Drop Method..
3. What is inserting the image by Linking?
4. What is Table of Contents (ToC)? Write down the steps for creating a Table of Contents in Libre Office Writer.

[illegible]