



# LOYOLA CONVENT SCHOOL

## HOLIDAY HOMEWORK 2025-26

### (DURGA PUJA & DIWALI)

### CLASS-IX

#### ENGLISH:

1. Book - Together With - complete Unit Assignment 44- 50. (pg. 115 - 128), workbook unit 6&7
2. 'Career Fair' was organized this year in your school. As many as 30 institutes had put up their stalls. Some of the participants included NIFT, NID, IIPM and Computer Academies. The school had invited career counsellors as well. Write a description of the event in paragraph form in 100–120 words.
3. You are Rohit or Rohini, a resident of Ranchi. You are concerned about the increasing mobile phone addiction among students. Write a letter to the Editor of a national daily, highlighting the problem and suggesting remedies. (Word limits 80-100)
4. Write a story highlighting good moral value or theme in about 100-120 words (e.g. of theme like " Failure is not the end, it is the stepping stone of rise and success, learn from your mistakes and do better "

#### HINDI:

1. छठ पर्व/ईद/क्रिसमस /ओणम की शुरुआत से लेकर समापन तक की घटनाओं की समयरेखा चित्र बनाइए और हर चरण के साथ छोटा-सा स्केच बनाते हुए 50 से 60 शब्दों में वर्णन करें।
2. कल्पना कीजिए कि आप खुद एक लेखक हैं और समाज की वर्तमान समस्या पर किताब लिख रहे हैं। उसका शीर्षक और कवर पेज (चित्र सहित) बनाइए।
3. यदि विराम चिह्न न होते तो भाषा का क्या हाल होता? विषय पर 80–100 शब्दों में अनुच्छेद लिखिए।
4. मान लीजिए आप पत्रकार हैं और सी.वी. रमण का साक्षात्कार ले रहे हैं।  
उनसे पूछे जाने वाले प्रश्न और उनके संभावित उत्तर तैयार कीजिए।"
5. यदि आपको मौका मिले कि आप अपने प्रिय लेखक (जैसे प्रेमचंद, टैगोर, कलाम) से केवल एक प्रश्न पूछ सकते हैं, तो वह प्रश्न क्या होगा और क्यों?

#### MATHS:

1. Maths Lab Manual: Activity - 8, 11, 12, 17, 18, 20
2. Prepare a formulae table chapterwise (All the chapters).
3. Prepare a table representing all Algebraic Identities.
4. Collect the data regarding the people going to visit different places (at least five places) during Durga Puja in Ranchi and draw the Bar Graph, Histogram and Frequency Polygon using the data collected.

#### SCIENCE:

##### BIO:

1. How do pesticides affect food production? Explain both their advantages and disadvantages with chemical and biological reasoning.
2. Climate in crisis.: how much are we to blame? In September 2025. a series of. Cloudburst events along with heavy rainfall, triggered devastating floods and landslides across parts of Uttarakhand, and Himachal Pradesh. Rivers overflowed, houses collapsed, many people were stranded, roads washed away, and vehicles also swept away. Now think, reflect, and write
  - a. How does deforestation by humans increase the chances of cloudburst?
  - b. How does dumping of garbage into rivers contribute to flood like situations during heavy rainfall?
  - c. As a student, what small steps can you take to reduce the risk of floods land slides?
- d. In what ways can students use social media or campaigns to warn others about natural disasters and also to spread awareness?
- e. What joint efforts should government and citizens take to balance development with environmental safety in fragile hill regions

## **PHY:**

1. Prepare a formula chart from the chapters Motion, Force and laws of motion and Gravitation on a large colourful chartpaper. It should appear attractive.
2. Prepare a project file on Sir Albert Einstein. The content should put a spotlight on his childhood, education, social life, interests, hobbies, experiments, challenges, achievements, contribution to science, thought process, skills, discoveries and his last days.
3. Frame 2 numericals on your own from the topics - average velocity, acceleration, each equation of motion, momentum, gravitational force. Do it carefully so that the question should be meaningful and calculative.

## **CHEM:**

1. Do a comparative study of properties of metal and non metal also mention all the exceptions
2. Write the uses of 10 metals and 5 nonmetals
3. List 10 compounds used in our day to day life

## **S.ST:**

**History:** Describe any two pastoral groups of India and paste the relevant pictures and maps where they are found.

**Geography:** 1) Prepare a project on Disaster management specifying the Earthquake/ Cloudburst. Its causes, effect and measures to mitigate the damages.  
2) Complete the map work from pages 26 to 40.

**Economics:** Make a poster on " Importance of food security" on an A4 sheet and paste in your holiday homework copy. Include key points such as what food security is and why it matters how it helps the nation?

**Civics:** List any 5 fundamental Rights guaranteed by the constitution of India along with relevant pictures. Also mention the important provisions associated to it.

## **SANSKRIT:**

1. मणिका संस्कृत व्याकरण पाठ्यपुस्तकात् अपठित अवबोधनम् 1-10
2. पत्र 1-10(f/b) पुस्तिकायाम् एव लिखत
3. राजन्, पितृ, विद्वस्, भवत्, गुणिन् शब्द रूपान् लिखत।

## **IT:**

1. What is the difference between IT (Information Technology) and ITeS (IT-enabled Services)? Write a short paragraph explaining each term and provide 3 examples of each.
2. How has the IT industry evolved over the past few decades? Write a brief history of the IT industry, focusing on its growth in India and globally.
3. Explain 3 benefits of the IT and ITeS industry in the modern world. How has this sector impacted:  
Businesses  
Education  
Healthcare
4. Write a short report on the role of IT-enabled Services (ITeS) in modern business. Discuss the following:
5. What is BPO (Business Process Outsourcing) and how does it benefit companies?
6. What is KPO (Knowledge Process Outsourcing)? Provide 2 examples of companies offering KPO services.

## **DS:**

1. Define Data Science in your own words.
2. Explain its importance in today's digital world.
3. List 3 real-life examples where Data Science is used (e.g., online shopping, weather prediction, etc.)"
4. Briefly explain the following components of Data Science:  
a. Data Collection                      b. Data Cleaning                      c. Data Analysis  
d. Data Visualization                  e. Decision Making
5. Create a poster or chart (digitally or on paper) showing how Data Science is used in a specific field, such as:  
a. Healthcare                              b. Education                              c. Sports                                      d. E-commerce  
e. The poster should include:              f. Title                                      g. Source of data                              h. Small dataset or graph  
i. Key insights (what the data shows)"