



LOYOLA CONVENT SCHOOL

HOLIDAY HOMEWORK 2025-26

(DURGA PUJA & DIWALI)

CLASS-X

ENGLISH:

Together with Assignment

1. Reading Comprehension-11,12,13,14,15
2. Writing-29,30,31,32,33
3. Literature-88,89(All the rest pending assignment to be completed in this holiday)
4. Learn 5 new vocabulary everyday (Write it in the H.W copy neatly)

HINDI:

1. 'दयालु सिद्धार्थ एवं घायल हंस' विषय पर लघुकथा लगभग 100 शब्दों में लिखिए।
2. आप अनामिका/अमित हैं। आपने अपना खराब लैपटॉप ठीक होने के लिए दिया पर एक सप्ताह बीत जाने पर वापिस नहीं मिला। उसे जल्दी प्राप्त करने के लिए कंपनी के मैनेजर को ई-मेल लिखिए।
(शब्द-सीमा लगभग 80 शब्द)
3. 'पश्चाताप' विषय पर लघु कथा लगभग 100 शब्दों में लिखिए।
4. आपके बैंक खाते में गलती से 5000 रुपये की राशि अधिक आ गई है। इसकी जानकारी बैंक अधिकारी को ईमेल लिखकर दीजिए।
(शब्द-सीमा लगभग 80 शब्द)
5. 'जीवन में स्वच्छता का महत्व' विषय पर लघु कथा लगभग 100 शब्दों में लिखिए।
6. आपके विद्यालय में 'स्वतंत्रता-दिवस' मनाया गया। इस आयोजन की जानकारी देने के लिए विद्यालय के प्रबंधक को ई-मेल लिखिए।
(शब्द-सीमा लगभग 80 शब्द)

MATHS:

1. Maths Lab Manual Activity 11,12,13,15,16.
2. Prepare a formulae table chapterwise (All the chapters).
3. Do the following questions in graph Ex 3A - 9,10,11,12,16,17.

SCIENCE:

PHY:

1. An object is placed at a distance of 10cm from a converging mirror of focal length 5cm. Find the nature and position of the image?
2. An object is placed at a distance of 15cm from a diversion mirror of focal length 6cm. Find the nature and position of image?
3. An object 2cm tall is placed at 10cm from a diversion mirror of focal length 6cm. Find the size, nature and position of the image?
4. An object 2cm in size is placed 30cm in front of a concave mirror of focal length 15cm. At what distance from the mirror should screen be placed in order to obtain a sharp image? Find the nature and size of the image also draw a ray diagram?
5. An object of height 4cm is placed at a distance 24cm in front of a convex lense of focal length 8cm. find the position and size of the image?
6. The focal length of camera lense is 20cm. Find how far away from the film must the lense be set in order to photograph an object located at 100cm from the lense?
7. A convex lense form an image 16cm long of an object 4cm long kept at a distance 6cm from the lense. The object and the image are on the same side of lense. What is the nature of image? Find position of image and focal length?
8. The power of the length is +2D. Find the focal length and state the kind of lense?
9. It is desired to obtain an erect image of an object using concave mirror of focal length 20cm. what is the object distance? Will the image be bigger or smaller? Draw ray diagram.
10. Which two part of a concave mirror should an object replaced to obtain an magnification -3? Write the nature of an image formed by concave mirror if the magnification produced by the mirror is +3?
11. The focal length of convex lense is 25cm. express it's power with sign.
12. Speed of light in air is 3×10^8 m/s. Calculate the speed of light in glass? RI of the glass is 1.5.

13. The speed of light in diamond is 12530 km/s. what is the RI?
14. Three resistor each of 2ohm are connected together so that their total resistance is 3ohm. Draw a diagram to show the arrangement and check it by calculation?
15. You have 3 resistor of value 2ohm, 3ohm and 5ohm. How will you join them so that the total resistance is less than 1ohm. Draw diagram and find the total resistance?

CHEM:

1. Define the following reactions with 2-2 examples: (a) Displacement reaction (b) Double displacement reaction (c) Exothermic reaction (d) Endothermic reaction (e) Redox reaction.
2. What do you mean by corrosion and rancidity? How it can be prevented?
3. Write the chemical formulas of the chemicals (salts) from your ncert book and write their 2-2 uses.
4. What do you mean by pH? Which acid is present in Vinegar, Orange, Tamarind, Tomato, Sour milk, Lemon, Ant sting, Nettle sting?
5. Define the terms: Ores, Minerals, Gangue,
6. Write important differences between metals and non-metals with exceptions
7. From Science Exemplar: Chapter -1: Do page -7 Q.N. -33, 35, 39, 40, 41, 42, 43 & 44
Chapter -2, Page -7 Q.N. 31, 32, 33, 40, 43, & 48
Chapter -3: Page -8 Q.N. 44, 45, 46, 47 & 48.

BIO:

A. Draw the properly labelled diagrams of the following

1. Neuron and neuromuscular junction
2. Reflex arc
3. Human brain
4. Endocrine glands in human being a. male b. female
5. binary fission in Leishmania.
6. germination of pollen on stigma
7. structure of a properly labelled dicotyledonous seed.
8. human male reproductive system and human female reproductive system.

B. Solve the MCQ from NCERT exemplar.

1. Q.1- 15 MCQ from the chapter "control and coordination"
2. Q. 1-15 MCQ from the chapter "life process".
3. Q. 1-15 MCQ from the chapter "How do organism reproduce"

For every MCQ just write the question and correct answer. No need to write other options given.

S.ST:

History: With the help of map highlight the significance of Silk-Route.

Geography: 1) Prepare a detail note on Golden Quadrilateral and highlight its importance.

2) Complete the map work book pages 25 to 55

Economics: In a biodegradable file prepare a project on the topic CONSUMER AWARENESS.

Civics: Make a comparison of any two political party in India, including Ideology, symbol, key leaders, and vote base use pictures also.

IT:

1. What is data consolidation in spreadsheets?
2. List any three situations where data consolidation is useful.
3. What are the steps to consolidate data from multiple sheets into a single summary sheet in spreadsheet software?
4. Can you consolidate data from different workbooks? If yes, what are the key points to remember?"
5. What is the Subtotal feature in spreadsheets used for?
6. How is the Subtotal feature different from the SUM function?
7. What is the pre-requisite for applying subtotals in a worksheet?
8. Explain the steps to insert subtotals in a sorted list of sales data.
9. How can you remove all subtotals from a worksheet?"
10. What is the purpose of the "Track Changes" feature in spreadsheet software?
11. How can Track Changes help when collaborating on a spreadsheet with multiple users?
12. What types of changes can be tracked using this feature?
13. What are the steps to enable and view tracked changes in a spreadsheet?
14. Explain the difference between Accepting and Rejecting changes in a shared worksheet."

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।
4. कथापूर्ति 1-10
5. संवादपूर्ति 1-10