

LOYOLA CONVENT SCHOOL

RANCHI, JHARKHAND

SESSION-2024-25

SUMMER VACATION HOLIDAY HOMEWORK

CLASS-XI

ENGLISH CORE (301)

Do it in a stick file:

1. Prepare a poster advising people not to take alcoholic drinks illustrating the danger of consuming alcohol. Your illustration should be in conformity with the theme provided to you.
2. Design a poster on G20 Summit highlighting the importance of the events organised.
3. You are Vikram/Sonia, an Hon's graduate in history with specialization in Medieval India. You are well acquainted with places of historical interest in Delhi, Agra and Jaipur. You are looking for the job of tourist guide. Write an advertisement in about 50 words for the situations wanted column of a local newspaper. Your contact no. 999751234.
4. You are Ram/Rajani. Draft a classified advertisement, in not more than 50 words, to be published in India Times for the sale of a used motor car giving all the necessary details. You can be contacted at 12345679.

HINDI CORE (302)

1. परियोजना कार्य

विषय: हिन्दी कविता प्रकृति चित्रण

- भूमिका - क्या है, क्यों है आदि का विवरण
- विभिन्न कवियों की कविताओं का तुलनात्मक प्रभाव
- भाषा शैली विशेषताएँ
- योगदान
- आपका सुझाव

परियोजना कार्य आधार बिंदु

1. विषय
2. आभार ज्ञापन
3. विषय सूची
4. उद्देश्य
5. विषय विवरण
6. साक्ष्य संग्रह
7. अध्ययन का परिणाम
8. स्रोत
9. प्रमाण पत्र
10. अध्यापक टिप्पणी

MATHEMATICS (041)

***Basics*:** Make a formula sheet file A4. size write all basics concepts

- Number system
- Algebraic Identity
- Exponents

- Compenendo and dividendo
- Limits
- Derivatives
- Trigonometric functions

, formulae of related chapters on it.

Note: For future purpose keep more sheet papers and in regular basis write all essential formulas and concepts.

- Chapter 1: sets :
Ex.1.1 ,1.2, 1.3, 1.4 miscellaneous (ncert)including multiple choice questions.
- Chapter 6: Linear inequation6.1, 6.2 miscellaneous
- All questions set attached with.

BIOLOGY (044)

Q. 1. An investigatory project on any three commonly occurring diseases during summer in India and describe each of them under following point.

- Name of disease
- Causative agent
- Mode of transmission
- Treatment
- Precautions

Q.2. Write the characteristics feature of the following

- Euglenoids
- Archae bacteria
- Viruses
- Viroids

Q.3. Explain the economic importance of the following organism

- Bacteria
- Lichens
- Diatoms
- Fungus

PHYSICS (042)

1. Prepare all the basic mathematical formula lists required for the understanding of concepts of physics: Trigonometric formula, Algebraic formula, Differentiation and Integration based formula.

2. Prepare a list of sixty Physical quantities and also write their formula, SI unit and remember the same.

Reference: NCERT BOOK -1 Appendix-A9

3. Prepare detailed notes on the different branches of physics.

4. Write short notes on the following topics:

- | | | | |
|-----------------------------------|---------------------|-----------------------|----------------------|
| ●Fundamental Forces in nature | ●Rest | ●Motion | ●Uniform motion |
| ●Non uniform motion | ●Distance | ●Displacement | ●Speed |
| ●Velocity | ●Mass and inertia | ●Moment of inertia | ●Acceleration |
| ●Force | ●Tension | ●Torque | ●Scalars and Vectors |
| ●Linear and Angular momentum | ●Work done | ●Energy and it's type | ●Oscillation |
| ●Rotational motion | ●Wave and it's type | ●Elasticity | ●Plasticity |
| ●Pressure | ●Heat | ●Temperature | |
| ●Sound wave and it's speed in air | | | |

POLITICAL SCIENCE (028)

1. Write a comparative report on the election Manifesto of 2024 Lok Sabha election of two National Party and two Regional Party of India.
2. Write a Report on what are the main issues driving voters' concerns in 2024 Lok Sabha Election?
3. Give your views with context to 2024 election in addition to the ongoing controversy about the rights of minorities, are controls on the media and the increase of disinformation on social media signs of democratic backsliding in India?

HISTORY (027)

Holiday Homework has to be made in the Project File as prescribed by CBSE.

Topic: Theme 02

Writing and City Life.

Sub Topics:

1. Sources of Mesopotamian civilization.
2. Mesopotamia and its geography.
3. The Warka Head.
4. The Urban Centres, Trade and its importance, Life in the Cities.
5. The Development of writing, its system, its uses, literacy, its legacy .
6. Temples and Kings of Mesopotamia.

GEOGRAPHY (029)

1. Explain the interior of the earth with suitable diagram.
2. Explain the relation of geography with various other disciplines (subjects).
3. Describe different factors affecting the distribution of population in the world.
4. On the political outline map of India label the different metropolitan cities.
5. On the outline map of India label jute and cotton producing areas.

CHEMISTRY (043)

1. Define the following terms:-

Pure substances, elements, compounds, homogeneous mixtures, heterogeneous mixtures, mole, empirical formula, significant figures, accuracy, precision.

2. Formulas:-

Relation between :-

- a. Number of moles with mass.
- b. Number of moles with number of particles (atoms molecules ions etc whichever applicable).
- c. Number of moles with volume (for gases at STP).
- d. Mass and number of particles.
- e. Volume and number of particles (for gases at STP).

Numericals:- 1.5, 1.6, 1.7, 1.10, 1.11, 1.12, 1.13.

Q. Calculate the molecular masses of $C_6H_{12}O_6$ (glucose), $NH_2 CONH_2$ (urea), C_6H_6 (benzene).

Descriptive: Describe the charge to mass ratio experiment of electron, and also draw a simple schematic diagram for it.

ACCOUNTANCY (055)

1. Define the following terms
a) Book Keeping b) Accounting c) Accountancy
2. Ganpati, the proprietor of a business, sold his residential house for Rs. 50 Lac. Will it be recorded in the books of accounts?
3. Mr. Vishwanath established a Travel Agency. Over the years the Travel Agency earned high reputation, Mr. Vishwanath considers the value of goodwill of his Travel Agency at Rs.50 lac. He wants to record the value of the goodwill in the books of accounts. Can he do so? Explain.
4. Huge loss occurred due to the strike by employees. Will it be recorded? Explain.
5. Why the following parties are interested in Accounting Information: (a) Owner (b) Tax Authority (c) Investors; (d) Government (e) Management ?
6. State what the end-product of Financial Accounting is.
7. Explain the following terms:
(i) Account (ii) Creditors (iii) Goods; (iv) Drawings (v) Debtors (vi) Revenue; (vii) Liability; (viii) Fictitious Assets (ix) Working Capital (x) Debit (xi) Credit (xii) Bad Debt; (xiii) Stock; (xiv) Business Transaction (xv) Discount (xvi) Assets; (xvii) Capital; (xviii) Profit (xvix) Loss (xx) Expenditure
8. Distinguish between
a) Trade discount and Cash discount
b) Opening Stock and Closing Stock.
9. A firm follows a practice of giving the figures of previous year along with the figures of current year. Now the Accountant of the firm wants to discontinue this practice. Do you justify this decision?
10. On 1st Jan., 2024, Mr. Vadera was appointed as Marketing Manager of the firm with a salary of Rs.50,000 per month. State whether this event will be recorded in the books of accounts or not. Give Reason.
11. Miss Priti, an electronic goods dealer, gifted a washing machine valued Rs.25,000 to her friend Suruchi. Will it be recorded in the books of accounts?
12. What is the process of Accounting?
13. Define Book Keeping. What is the function of Book Keeping?
14. Give any four points of distinction between Book Keeping and Accounting.
15. Which of the following transactions are of financial character and will be recorded in the books?
(a) Credit purchase of goods.
(b) Strike by employees.
(c) Goods worth 20,000 taken from the business and given by the proprietor to his friend as gift.
(d) Withdrawing of money by proprietor from business for personal use.
(e) Interviewing the candidates for employment.
(f) Sale of household furniture for Rs.10,000.
(g) Payment of school fees of proprietor's son from proprietor's personal bank account.
(h) Make promise to send the goods.
(i) Receiving an order to send the goods..
(j) Loss of goods by fire.
(k) Value of human resources.

BUSINESS STUDIES (054)

- Q1. Explain the role and importance of small business in development of economy.
- Q2. Discuss the various argument in favour of and against elimination wholesalers from the channel of distribution.
- Q3. What is retailer? Explain the types of retailers with examples.
- Q4. Explain in detail about WTO.
- Q5. Explain in detail about the international business.
- Q6. Select one company registered in stock market, write about that company and do the paper trading of the same for ten working days.

ECONOMICS (030)

Statistics for Economics

Make a flowchart/table of all the formulae of the Measures of central tendency (Mean,Median,Mode) in your Holiday Homework Notebook. (Refer to page 8.38 and 9.56 of your statistics book)

PHYSICAL EDUCATION (048)

1. Describe CHILDREN WITH SPECIAL NEED (CWSN) in not less than 500 words.
2. Draw a well labelled diagram with details of any one game of your choice.
 - History
 - Rules and regulations
 - Labelled diagram
 - Famous player with achievement
 - Tournaments
 - Awards

Note – complete the above hhw in interleaf pages with front page details in a stick file.

COMPUTER SCIENCE (083)

1. Write Python command/instruction/statement to display your name.
2. Write Python command to display your school name, class, and section, separated by “-“.
3. Evaluate the following expressions manually:
 - (i) $(2 + 3) ** 3 - 6 / 2$
 - (ii) $(2 + 3) * 5 // 4 + (4 + 6) / 2$
 - (iii) $12 + (3 * 4 - 6) / 3$
 - (iv) $12 + (3 * *4 - 6) // 2$
 - (v) $12 * 3 \% 5 + 2 * 6 // 4$
 - (vi) $12 \% 5 * 3 + (2 * 6) // 4$
4. Evaluate the above expressions by using IDLE as a calculator and verify the results that you got manually.
5. Write Python expressions to represent the following situations:
 - a. Add remainder of 10/7 to the product of 10 and 7.
 - b. Find the square root of the sum of 8 and 43.
 - c. Find the sum of the square roots of 8 and 43.
 - d. Find the integral part of the quotient when 63 is divided by 29.

Note: Prepare all the above assignments in a Stick File.