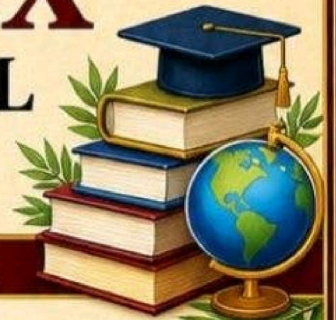


NORTH-EX[®] PUBLIC SCHOOL — DELHI —



Established 1999 | CBSE Curriculum | Holistic Development



SUMMER HOLIDAY HOMEWORK

Session 2026–2027



Student Name : _____



Class : _____



Section : _____



Class Teacher : _____



Explore, Learn & Grow this Summer!



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OUTDOOR
ACTIVITIES



CO-CURRICULAR
ACTIVITIES
(ART, MUSIC, DANCE)



SAFE & SECURE
CAMPUS
(CCTV)



Complete your work neatly and submit on time.



NORTH-EX PUBLIC SCHOOL
(Senior Secondary, Affiliated To CBSE)
School Block, Jain Nagar, Sector-38, Rohini, Delhi – 81
SUMMER HOLIDAY HOMEWORK, 2026-27
CLASS – ENLIGHTENED XI

General Instructions:

- Learn and revise the syllabus of Periodic Test -1.
- Do your project work neatly.
- Do your work as per the elective subject.
- Holiday homework should be done in the test register or according to the requirement mentioned.

WEEK – 1

MATHEMATICS

1. Evaluate $\frac{i^{592} + i^{590} + i^{588} + i^{586} + i^{584}}{i^{582} + i^{580} + i^{578} + i^{576} + i^{574}}$.
2. Find the real values of x and y, if $(1+i)(x+iy)=2-5i$.

PHYSICAL EDUCATION

1. Define physical education. What are the aims and objectives of physical education?
2. Describe the career options in physical education.

ECONOMICS

1. What are the stages of statistical study?

2. Define statistics as a singular and plural noun.

BUSINESS STUDIES

1. Define the term 'commerce'.
2. What is meant by 'sole proprietorship'?

ACCOUNTANCY

1. What is meant by 'Goods' in accounting?
2. Explain the 'Dual Aspect Concept' with an example.

ENGLISH

1. Draft a poster on 'Save the Girl Child, Save the Nation' campaign that has been started by the Delhi Commission for Women. (Use A-4 size sheet)
2. "Think back over your past seven days of your summer vacation.

In your best **cursive handwriting**, write a diary entry (approx. 120–150 words), describing how you spent your week.

Include the following:

- Where did you go and what were your main activities?
- Describe one thing you saw, heard, or felt that made the week memorable.
- How does these moments change the way you look back on your week?"

WEEK – 2

MATHEMATICS

1. Solve : $|x - 2| \geq 5$.
2. Solve ; $1 \leq |x - 2| \leq 3$.

PHYSICAL EDUCATION

1. Can a physical education graduate justify the job of sports administrator? Explain with suitable examples.
2. After completion of any professional course in physical education, how many career options will you have?

ECONOMICS

1. What are the three components of economics? Explain them.
2. Make a list of activities that constitute the ordinary business of life . Are these economic activities?

BUSINESS STUDIES

1. Name any two auxiliaries to trade.
2. Differentiate between industry, commerce and trade.

ACCOUNTANCY

1. What is a journal? State any two advantages of journal.
2. Explain any five objectives of accounting.

ENGLISH

1. Write a speech on the topic 'Is peer pressure beneficial or not?' to be delivered on account of Children Day celebration in your school.
2. "Think back over your past seven days of your summer vacation.

In your best **cursive handwriting**, write a diary entry (approx. 120–150 words) **week wise** describing how you spent your week.

WEEK - 3
MATHEMATICS

1. If $(a+ib)(c+id)(e+if)(g+ih)=A+iB$, prove that $(a^2+b^2)(c^2+d^2)(e^2+f^2)(g^2+h^2)=A^2+B^2$

2. Express the following expression in the form of $a+ib$:

$$\frac{(3+\sqrt{5}i)(3-\sqrt{5}i)}{(\sqrt{3}+\sqrt{2}i)-(\sqrt{3}-\sqrt{2}i)}$$

PHYSICAL EDUCATION

1. How many different kinds of courses and careers in physical education are available in India?

2. Describe International Olympic Committee (IOC).

ECONOMICS

1. "The Government and policy makers use statistical data to formulate suitable policies of economic development ". Illustrate with two examples.

2. Explain Diamond water paradox?

BUSINESS STUDIES

1. State any three features of a partnership firm.

2. Explain the role of commerce in removing hindrances of trade. Discuss any four auxiliaries to trade with examples.

ACCOUNTANCY

1. What is a Trial Balance? Describe any four errors which are not disclosed by a Trial Balance.

2. Prepare the Accounting Equation for the following transactions:

- a) Started business with cash ₹2,00,000
- b) Purchased goods for cash ₹40,000
- c) Sold goods costing ₹20,000 for ₹30,000 on credit
- d) Paid rent ₹5,000

ENGLISH

1. Identify the poetic devices used in the poem, "A Photograph" and discuss their meanings.

2. Human life is short-lived in contrast to nature. Comment on the statement in the light of the poem 'A Photograph'.

3. "Think back over your past seven days of your summer vacation.

In your best **cursive handwriting**, write a diary entry (approx. 120–150 words), describing how you spent your week

WEEK – 4

MATHEMATICS

1. Solve the inequality $5(2x-7)-3(2x+3) < 0, 2x+19 < 6x+47$
2. write the set $\left\{\frac{1}{3}, \frac{3}{5}, \frac{5}{7}, \frac{7}{9}, \frac{9}{11}, \frac{11}{13}\right\}$ in set builder form.

PHYSICAL EDUCATION

1. Describe IFS and Other Members.
2. What values are promoted by organising the Olympic event?

ECONOMICS

1. What does the slope of PPF indicate? Explain with the help of diagrams.
2. What does the opportunity cost mean? Explain with a numerical example.

BUSINESS STUDIES

1. Compare sole proprietorship and partnership on the basis of formation, liability, capital, and continuity.
2. What is a Joint Stock Company? Explain its four main characteristics.

ACCOUNTANCY

1. Explain the 'Money Measurement Concept' and 'Going Concern Concept'. How do these concepts affect the preparation of financial statements?
2. What are the different types of accounts? Explain the rules of debit and credit for Personal, Real, and Nominal accounts with examples.

ENGLISH

1. Can the act of stealing be ever justified? Give your views in the context of reading of 'The Summer of the Beautiful White Horse'.
2. "Think back over your past seven days of your summer vacation.

In your best **cursive handwriting**, write a diary entry (approx. 120–150 words), describing how you spent your week.

WEEK - 5

MATHEMATICS

1. If $U=\{1,2,3,4,5,6,7,8,9\}$ $A=\{2,4,6,8\}$ $B=\{2,3,5,7\}$, verify that i) $(A \cup B)' = A' \cap B'$
ii) $(A \cap B)' = A' \cup B'$
2. Let $A=\{1,2\}$, $B=\{1,2,3,4\}$, $C=\{5,6\}$, $D=\{5,6,7,8\}$ verify that $A \times (B \cap C) = (A \times B) \cap (A \times C)$.

PHYSICAL EDUCATION

1. What are the objectives / functions of International Olympic Committee (IOC) ?
2. What are the functions / objectives of National Olympic Committee (NOC) ?

ECONOMICS

1. What is the difference between the planned economy and market economy?
2. Explain the central problem of the choices of products to be produced.

BUSINESS STUDIES

1. Discuss the concept of 'business risk'. Explain any three causes of business risks with suitable examples.

ACCOUNTANCY

1. What is meant by Ledger? Explain the procedure of posting from journal to ledger. State any three advantages of maintaining a ledger.

ENGLISH

1. Discuss the values highlighted in the chapter, "The Portrait of a Lady".
2. "Think back over your past seven days of your summer vacation.

In your **best cursive handwriting**, write a diary entry (approx. 120–150 words), describing how you spent your week.

PROJECT WORK/WORKING MODEL

ROLL NO.	SUBJECT	PROJECT	ROLL NO.	SUBJECT	PROJECT
1-10	ACCOUNTANCY	Accounting Equation Model: A=L+C	1-30	MATHEMATICS	Activity1: Finding number of subsets of a given set. Activity3: To represent set theoretic operations using venn Diagrams. Activity5: To distinguish between a relation and a function.
	BUSINESS STUDIES	Types of Business Organisation- "ownership model"			
	PHYSICAL EDUCATION	Khelo India program			
11-20	ACCOUNTANCY	Accounting cycle flow Model	1-30	ENGLISH	Make a project file based on any chapter or poetry from the Book Hornbill and Snapshots (Done till now)
	BUSINESS STUDIES	Channel of Distribution -Goods Flow Model			
	PHYSICAL EDUCATION	FIT-India Program			
21-30	ACCOUNTANCY	GST Working Model	1-5	ECONOMICS	Model of Evolution of Money
	BUSINESS STUDIES	Sources of Business Finance- "Capital Sources Wheel"	6-10		Model of Sectors of Indian Economy
	PHYSICAL EDUCATION	Olympics Symbols & Motto	11-15		Model of Lifeline of Indian Economy
31 onward	ACCOUNTANCY	JOURNAL ->LEDGER->TRIAL BALANCE (flow model)	16-20		Model of Factor of Production
	BUSINESS STUDIES	Social Responsibilities of Business- "stakeholder model"	21-25	Model of Consumer's Equilibrium	
			26-30	Model of Market	
	PHYSICAL EDUCATION	Olympics Flag, Oath & Anthem	31 onward	Model of Outsourcing	