



ROYAL OAK INTERNATIONAL SCHOOL

New Palam Vihar, Sector 110, Dwarka Expressway,
Gurugram, Haryana

HOLIDAY HOMEWORK 2025-26

| **Class: XII**



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FOR THE PARENTS

Dear Parents,

As our school holidays are now underway, your support and guidance are more important than ever in nurturing your child's academic and personal growth. We encourage you to motivate your child to make productive use of this break by revising concepts, exploring new interests, and diligently completing their holiday assignments.

Please assist in creating a positive study environment, fostering curiosity, and effectively managing their time, while refraining from doing the work for them. This period is a wonderful opportunity for your child to develop independence, creativity, and a sense of responsibility.

Your encouragement and positive reinforcement will inspire them to enjoy their holidays, learn effectively, and return refreshed and ready to face new academic challenges.

Thank you for your continued cooperation and support.

Instructions for the students:

1. Complete all holiday homework and projects as per the given instructions for your respective subjects.
2. Participate actively and independently in each task to develop self-discipline and confidence.
3. Use available resources creatively while completing assignments, incorporating critical thinking and originality.
4. Regularly review and revise the work done during April and May to reinforce learning.
5. Maintain a neat, organized, and presentable format for all submissions.
6. Seek guidance from teachers or parents only when necessary; the emphasis is on your independent effort.
7. Remember, your sincere effort during holidays will prepare you better for upcoming assessments and future endeavors.

Wishing you a productive and enjoyable holiday season!

Regards

TEAM ROIS

Please note the following:

- Summer vacations will commence from 1st June, 2025 till 30th June, 2025 , both days inclusive.
- The school will re-open on 1st July, 2025(Tuesday)
- Schedule for the submission of HHW is as follows :

English/P.Ed	:	02/07/2024 (Wednesday)
Hindi/Chem./Accounts	:	03/07/2024 (Thursday)
Maths/Sociology/Bio.	:	04/07/2024 (Friday)
P.Sci./B.Std	:	07/07/2024 (Monday)
His/Eco./CS	:	08/07/2024 (Tuesday)
Phy./IP/F&N	:	09/07/2024 (Wednesday)

For AI and SANSKRIT (2nd week of July). Dates will be given in the classes only by the subject teachers.

- ❖ Summer HHW 5 marks will be added as an Activity marks in Term - I

Wishing you all a very fruitful and enjoyable vacations.



ENGLISH:

Deep Water

1. How does the story of William Douglas inspire us to face our fears?
2. What lesson does Douglas's determination teach about the value of perseverance?
3. How does the experience in the pool reflect the importance of mental strength in overcoming challenges?
4. Why is it essential not to let past trauma define your future?
5. What value does the story teach about self-belief and courage?

The Rattrap

1. How does the transformation of the peddler reflect the power of compassion and hospitality?
2. What lesson does the story teach about the human tendency to fall into life's traps?
3. How does Edla Willmanson's kindness help change the rattrap seller's outlook on life?
4. What moral does the story convey about giving others a second chance?
5. How does the story reflect the idea that goodness exists in every human being?

Indigo

1. What values of leadership and empathy are reflected in Gandhi's handling of the Champaran issue?
2. How does the Champaran movement demonstrate the importance of standing up for justice?
3. What does Gandhi's role in the Indigo struggle teach about the power of non-violent protest?
4. What lesson does the story give about the impact of moral courage and truth?
5. How does Gandhi's involvement in Champaran reflect the importance of serving others selflessly?

Note: Answer the following questions in 30 to 40 words in your English notebook.

Submission date: 4/07/2025

MATH:

General Instructions:

Do Holiday HW in separate note book (give heading SUMMER VACATION HOLIDAY WORK).

1. Complete at least 20 question from each chapters

(Inverse trigonometric functions , Matrices , Determinants , Continuity and Differentiability)

of MTG book section wise (MCQ, 1 markers ,2 markers ,3markers , 4 markers)

2. Practice NCERT Completely (ch-2,3,4,5) in fair register .

3 . To do the following activities using creative ideas:

Activity 1. To verify that the relation R in the set L of all lines in a plane, defined by $R=\{(l,m):l \text{ is perpendicular to } m\}$ is symmetric but neither reflexive nor transitive.

Activity 2. To demonstrate a function which is not one-one but is onto.

Activity 3. To find analytically the limit of a function $f(x)$ at $x=c$ and also to check the continuity of the function at that point

Activity 4 . To draw the graph of $\sin^{-1}x$, using the graph of $\sin x$ and demonstrate the concept of mirror reflection (about the line $y = x$)

Activity 5. To establish a relationship between common log arithem(base 10) natural logarithm(base e) of the number x

PHYSICS:

*Solve the questions from NCERT Exemplar for chapters

Ch1 Electric charges and Field.

Ch 2 Electric potential and capacitance

Ch 3 Current Electricity

*Prepare the Investigation Project Report on the assigned topic .

CHEMISTRY:

➤ Investigatory projects

➤ NCERT Exemplar questions

Synopsis of investigatory project is to be prepared.

Note: In synopsis aim, material required and detailed procedure is to be written.

Students need to prepare synopsis using A-4 size white sheets without lines and all the sheets are to be attached in a file. [You can take help of internet while selecting the project for synopsis]

- Solve NCERT Exemplar questions of Solutions, Haloalkanes and Haloarenes, Alcohols, phenols and ethers.

BIOLOGY:

➤ Investigatory Projects

➤ NCERT Exemplar questions

➤ Do the research work.

Prepare the synopsis of investigatory projects.

(Use A4 size lining sheets for this purpose).

➤ Solve the exemplar questions of the following.

Unit 1. Reproduction.

Unit 2. Genetics and Evolution.

Ch. Principles of Inheritance and Variations.

COMPUTER SCIENCE:

1. Create the following table named "Charity" and write SQL queries for the tasks that follow:

Table: Charity

P_Id	LastName	FirstName	Address	City	Contribution
1	Bindra	Jaspreet	5B, Gomti Nagar	Lucknow	3500.50
2	Rana	Monica	21 A, Bandra	Mumbai	2768.00
3	Singh	Jatinder	8, Punjabi Bagh	Delhi	2000.50
4	Arora	Satinder	K/1, Shere Punjab Colony	Mumbai	1900.00
5	Krishnan	Vineeta	A-75, Adarsh Nagar		

(Contribution is in Rs.)

- a) Display all first names in lowercase.
- b) Display all last names of people of Mumbai city in uppercase.
- c) Display Person Id along with First 3 characters of his/her name.
- d) Display first name concatenated with last name for all the employees.
- e) Display length of address along with Person Id.
- f) Display last 2 characters of City and Person Id.
- g) Display Last Names and First names of people who have "at" in the second or third position in their first names.
- h) Display the position of 'a' in Last name in every row.
- i) Display Last Name and First name of people who have "a" as the last character in their First names.
- j) Display the first name and last name concatenated after removing the leading and trailing blanks.
- k) Display Person Id, last names and contribution rounded to the nearest rupee of all the persons.
- l) Display Person Id, last name and contribution with decimal digits truncated of all the persons.

m) Display Last name, contribution and a third column which has contribution divided by 10. Round it to two decimal points.

2. Consider the following tables Employee and Department.

Employee

ECode	LastName	FirstName	Department
101	Sharma	Amit	Sales
102	Arora	Shiv	Personnel
103	Lakshmi	KS	Accounts
104	Rajlani	Shivika	Accounts
105	Thakral	Satvik	Sales

Department

DepCode	DepName	Budget
101	Sales	200000
102	Personnel	150000
104	Accounts	300000

Write SQL statements to do the following:

- Display the last names and first names of all employees.
- Display the Department names of all employees, without duplicates.
- Display all the details of employees with last name as "Lakshmi".
- Display all the details of employees whose last name is ""Rajlani" or "Sharma".
- Display the codes and first names of all employees of 'Accounts' department.
- Display department names of departments with budget above 18000.
- Display all the details of employees whose First name begins with "S".
- Display department details(from Department table) in descending order of Budget amount.
- Change the Department name "Sales" to "Marketing" everywhere in the table "Employee" and "Department"
- Add a new row with appropriate data values in Department table.
- Create the table Department with columns of appropriate data types.

Note: Make a practical file of the given program.

INFORMATICS PRACTICES:

1. Consider the Empl table and write SQL command to get the following:

Table: Empl

empno	ename	job	mgr	hiredate	sal	comm	deptno
8369	SMITH	CLERK	8902	1990-12-18	800.00	NULL	20
8499	ANYA	SALESMAN	8698	1991-02-20	1600.00	300.00	30
8521	SETH	SALESMAN	8698	1991-02-22	1250.00	500.00	30
8566	MAHADEVAN	MANAGER	8839	1991-04-02	2985.00	NULL	20
8654	MOMIN	SALESMAN	8698	1991-09-28	1250.00	1400.00	30
8698	BINA	MANAGER	8839	1991-05-01	2850.00	NULL	30
8882	SHIVANSH	MANAGER	8839	1991-06-09	2450.00	NULL	10
8888	SCOTT	ANALYST	8566	1992-12-09	3000.00	NULL	20
8839	AMIR	PRESIDENT	NULL	1991-11-18	5000.00	NULL	10
8844	KULDEEP	SALESMAN	8698	1991-09-08	1500.00	0.00	30

- Write a query to display EName and Sal of employees whose salary are greater than or equal to 2200?
- Write a query to display details of employs who are not getting commission?
- Write a query to display employee name and salary of those employees who don't have their salary in range of 2500 to 4000?
- Write a query to display the name, job title and salary of employees who don't have manager?
- Write a query to display the name of employee whose name contains "A" as third alphabet?
- Write a query to display the name of employee whose name contains "T" as last alphabet?
- Write a query to display the name of employee whose name contains "M" as First and "L" as third alphabet?
- Write a query to display details of employees with the text "Not given", if commission is null?

2. Consider the following table named "GYM" with details about Fitness products being sold in the store.

Table Name : **GYM**

PrCode stores Codes of Products PrName stores names of Products (UnitPrice is in Rs.)

PrCode	PrName	UnitPrice	Manufacturer
P101	Cross Trainer	25000	Avon Fitness
P102	TreadMill	32000	AG Fitline
P103	Massage Chair	20000	Fit Express
P104	Vibration Trainer	22000	Avon Fitness
P105	Bike	13000	Fit Express

Write SQL statements to do the following:

- Display the names of all the products in the store.
- Display the names and unit price of all the products in the store.
- Display the names of all the products with unit price less than Rs.20000.00
- Display details of all the products with unit price in the range 20000 to 30000
- Display names of all products by the manufacturer "Fit Express".
- Display all rows sorted in descending order of unit price.
- Add a new row for product with the details: "P106", "Vibro Exerciser", 23000, manufacturer : "Avon Fitness".
- Change the Unit Price data of all the rows by applying a 10% discount reduction on all the products.
- Display details of all products with manufacturer name starting with "A".

Note: Make a practical file of the given program.

FOOD AND NUTRITION:

Project file on any of the following topic.

1. Food adulteration
2. Food labels
3. Celiac disease
4. Lactose intolerance
5. Methods of cooking Hypertension.

Key points to be mentioned in the project.

- Refer CBSE guidelines mentioned in curriculum of 2025-26 available on cbseacademic.nic.in

ACCOUNTS:

Project work on any of the following topic.

1. Ratio analysis
2. Cash Flow statement
3. Segment Reporting
4. Comparative and Common size statement

Key points to be mentioned in the project.

- **Refer CBSE guidelines mentioned in curriculum of 2025-26 available on cbseacademic.nic.in**

BUSINESS STUDIES:

Project work on any of the following topic.

1. Business Environment
2. Principles of Management.
3. Marketing Management
4. Financial Market

Key points to be mentioned in the project.

- **Refer CBSE guidelines mentioned in curriculum of 2025-26 available on cbseacademic.nic.in**

ECONOMICS:

Project work on any of the following topic.

1. Micro and Small Scale Industries
2. Food Supply Channel in India
3. Contemporary Employment situation in India
4. Disinvestment policy of the government
5. Goods and Services Tax Act and its Impact on GDP
6. Health Expenditure (of any state)
7. Human Development Index
8. Inclusive Growth Strategy
9. Self-help group
10. Trends in Credit availability in India
11. Monetary policy committee and its functions
12. Role of RBI in Control of Credit

13. Government Budget & its Components
14. Trends in budgetary condition of India
15. Exchange Rate determination – Methods and Techniques
16. Currency War – reasons and repercussions
17. Livestock – Backbone of Rural India
18. Alternate fuel – types and importance
19. Sarwa Siksha Abhiyan – Cost Ratio Benefits
20. Golden Quadrilateral- Cost ratio benefit
21. Minimum Support Prices
22. Relation between Stock Price Index and Economic Health of Nation
23. Waste Management in India – Need of the hour
24. Minimum Wage Rate – approach and Application
25. Digital India- Step towards the future
26. Rain Water Harvesting – a solution to water crises
27. Vertical Farming – an alternate way
28. Silk Route- Revival of the past
29. Make in India – The way ahead
30. Bumper Production- Boon or Bane for the farmer
31. Rise of Concrete Jungle- Trend Analysis
32. Organic Farming – Back to the Nature

Key points to be mentioned in the project.

- Refer CBSE guidelines mentioned in curriculum of 2025-26 available on cbseacademic.nic.in

SOCIOLOGY:

Project Work Prepare a PROJECT FILE which should be handwritten consisting of 25-30 A4 size sheets.

The project file should be prepared in the following sequence-

- Cover page should include the title of the Project, student information school and year
- Certificate
- Acknowledgement
- Index
- Introduction of topic/title & Statement of purpose/Need and objective of the study
- Hypothesis/Research question
- Review of literature
- Presentation of evidence
- Methodology
- Questionnaire

- Data collection
- Significance and relevance of the topic
- Challenges encountered by conducting the research
- Content analysis and its relevance in the current scenario
- Conclusion
- Limitation
- Bibliography
- Annexures and overall presentation
- Project must be made presentable with the help of images, graphs, pie-charts, diagrams etc.
- Different forms of Art must be included/may be integrated in the project work.

List of Suggested Topics:

Students can select any one topic from the below mentioned topics-

- Mental health stigma and impact
- violence against women
- impact of peer pressure on school children
- Joint family-is it eroding in India
- Impact of social media on our society
- Family structure and child behavior
- Cyber crime and security
- Social inequality and Social exclusion
- Family and Kinship
- Globalisation and Mass Media
- Impact of Westernisation on people
- Domestic violence
- Is Marriage as an institution collapsing in India
- Status of education in low income group Indian society
- Gender inequality in workplace
- Role of Youth in contemplating gender
- Changes in the village as a self-sustaining entity
- Development and Ecological Sustainability

POLITICAL SCIENCE:

1. Assignment Work (Answer in 80-100 words each):

- Analyze the challenges faced by India immediately after independence.
- What is the significance of the Emergency of 1975?
- Describe the role of regional parties in shaping Indian politics.
- Explain the Mandal Commission and its impact.

- India's Foreign Policy: Principles and Current Trends.
- Role of the United Nations in today's world.
- Comparative study of USA and China as world powers.

2. Current Affairs Report (1–2 pages):

Collect and summarize 3 recent political events that happened recently in India.

Mention:

- Date and place
- What happened
- Its political implications

3. Creative Corner (Optional for Bonus Marks):

Create a Political Cartoon or Poster on any of the following:

- Democracy
- Coalition Politics
- Indian Constitution
- Voter Awareness

HISTORY:

❖ **Make a beautifully covered spiral project files on the given topics as per the CBSE guidelines .**

ROLL NO.	TOPICS
1 & 11	Depiction of life during Mughal period through paintings and architecture
2 & 12	The tribal groups of India : The Pahariyas and The Santhals
3 & 13	An imperial capital : Vijayanagar
4 & 14	Role of Mahatma Gandhi in the Nationalist Movement
5 & 15	Through the eyes of Travellers : Ibn Batuta, Al Baruni, Dusate Barbosa, and Francios Bernier
6 & 16	Artifacts of the Harappan Civilisation
7 & 17	Mahabhart through the readers eyes
8 & 18	Buddha's Path to Enlightenment
9	The process behind the framing of the Indian Constitution
10	Vision of unity behind the first war of Independence

Must begin the project by including the following parameters (more than 32 pages) :

- Front information (School name, academic year, Project title and roll no)
- Beautiful creative Cover page
- Certificate
- Acknowledgement (giving credit to those who helped you in this project)
- List of content with page number (index).
- Project overview (brief idea about the project)
- Content sheet - 15 to 20 pages with relevant photographs and maps (if required)
- Conclusion
- Bibliography (the book you read or the website you visited for the project)

PHYSICAL EDUCATION:

Chapter -6 (Test and Measurement & administration test) mention in practical file