



**Hansraj Public School**

**HAPPY  
SUMMER  
VACATION!**

**Class XII**



**Homework**



## Message

from Principal (Hansraj Public School)

Dear Parents,

I take the opportunity to express my gratitude to our partners in the cause of education. I value your contribution in fulfilling our aim - the aim of making our young Hansarians the catalysts of change, who are capable of aligning with ancient values and modern progressive thoughts equally well.

Most awaiting time of the school calendar, summer vacation has arrived. For children, it is a break from the hectic scheduled life of the school. But we need to sensitize them that it is not a break from studies and discipline.

The new generation kids need to be handled with care so that their immense energy is channelized properly. Vacations are the times for children to relax, to reinvent, to rejuvenate and to reinforce all that is learnt in school. Your support and encouragement during this time is crucial for effective utilization and productive outcome of summer holidays.

It is said that children acquire skills and knowledge easily if they find the surroundings stimulating and purposeful. We provide the same to our learners during school days and trust you for the same during vacation. Help children release stress, learn new skills, acquaint with their surroundings and explore the world of quality time with your wards. Guide them in doing their assignments. These assignments have been carefully planned to serve the dual purpose. On one side, they intend to keep children engrossed in creative endeavours and on the other they aim at making them revise and learn concepts which would help them in their academic pursuits.

Let us join hands together and pledge to continue in our efforts and make our children reach the pinnacle of glory with panache.





*Time for some holiday fun,*

*Time for some play,*

*Summers are the time to chill,*

*And play a lot with clay,*

*Castles in the sand for sure,*

*Sun block would be the only cure,*

*In the summer's heat,*

*Happy summer season!*

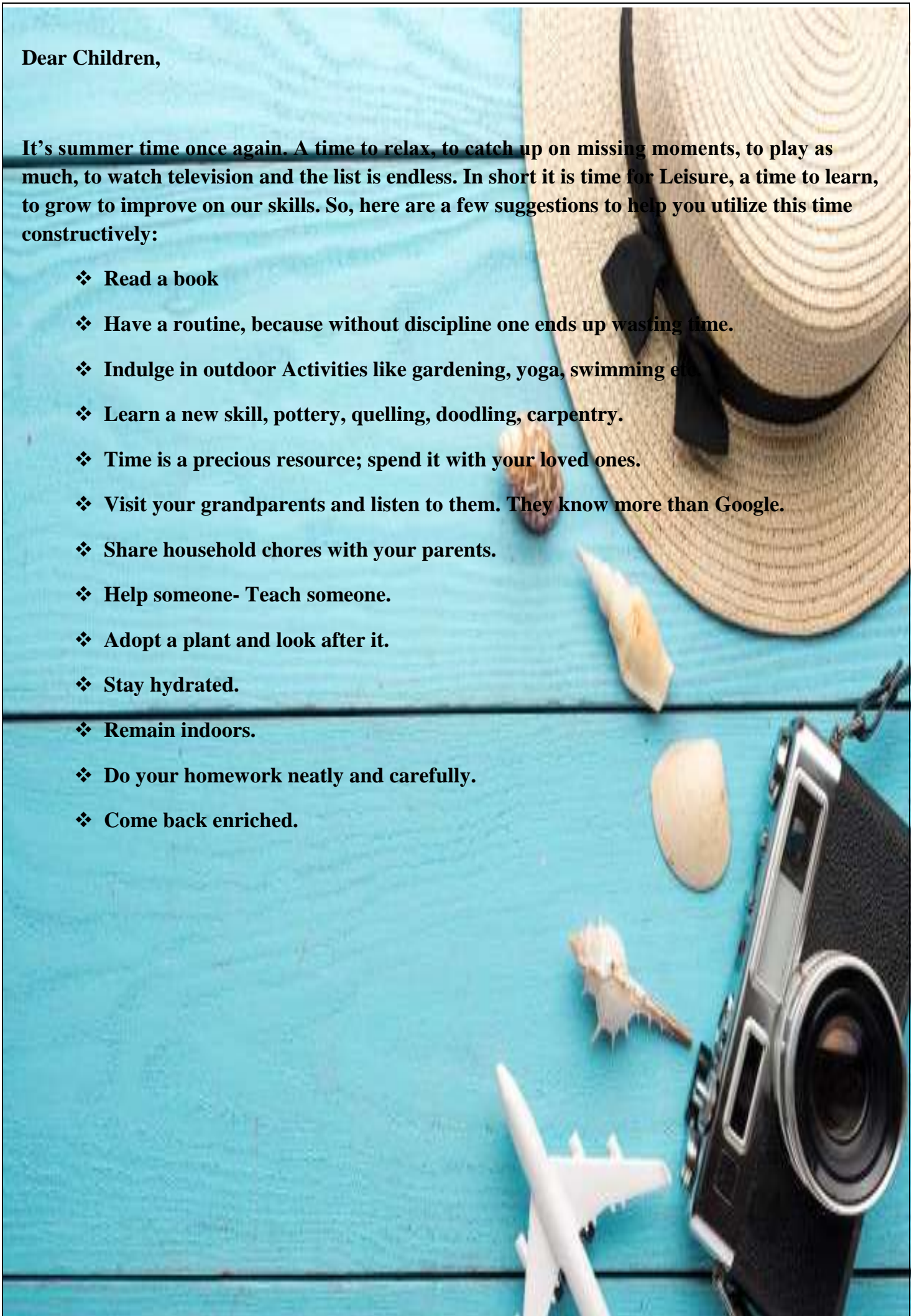




**Dear Children,**

**It's summer time once again. A time to relax, to catch up on missing moments, to play as much, to watch television and the list is endless. In short it is time for Leisure, a time to learn, to grow to improve on our skills. So, here are a few suggestions to help you utilize this time constructively:**

- ❖ **Read a book**
- ❖ **Have a routine, because without discipline one ends up wasting time.**
- ❖ **Indulge in outdoor Activities like gardening, yoga, swimming etc.**
- ❖ **Learn a new skill, pottery, quelling, doodling, carpentry.**
- ❖ **Time is a precious resource; spend it with your loved ones.**
- ❖ **Visit your grandparents and listen to them. They know more than Google.**
- ❖ **Share household chores with your parents.**
- ❖ **Help someone- Teach someone.**
- ❖ **Adopt a plant and look after it.**
- ❖ **Stay hydrated.**
- ❖ **Remain indoors.**
- ❖ **Do your homework neatly and carefully.**
- ❖ **Come back enriched.**



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A. Take out 5 Letters to the editor from any English newspaper. Paste them in the notebook and write an article on the problem highlighted in that letter in H.W notebook.

B. Make a Ppt (as per the given format). Students will be speaking along with the Ppt ( Assessment of speaking)

<u>Slide No.</u>	<u>Topic covered</u>
1,2	About the author
3	About the chapter
4.	Theme
5.	Message
6.	Plot
7.	Setting
8 to 11	Characters of the topic
12.	SA (Atleast 5)
13.	LA (Atleast 4)

(\* Students can take liberties with the given instructions if it is helpful in enhancing the creativity and presentation)

<u>R.No/s</u>	<u>Topic</u>
1, 10.	Indigo
2, 11.	Poets and Pancakes
3, 12.	The Interview
4, 13.	Going Places
5, 14.	Should Wizard Hit Mommy
6, 15.	On the face of it
7.	Evans Tries an O level

8. Memories of Childhood
9. The Elementary School Classroom in a Slum

C. Do the following work from BBC in English homework notebook

### **Module 8**

Super test assignment number 2 question 2 to 6

### **Module 2**

Classroom assignment number 7 on page number 82

Classroom assignment number 8 on page number 85

D. Students will bring a video on the given topics and taking input from it, speak on the topic for at least 4 minutes, covering the aspects like introduction, explanation (reasons, repercussions and measures) and conclusion.

- 1) War and its Impact on Man
- 2) Generation Gap
- 3) Class Inequalities
- 4) Constraints of an Unhappy Married Life
- 5) Phobia
- 6) Peer Pressure
- 7) Environmental Threats and Role of Students
- 8) Modern Life and Stress



- project on history of one of Indian mathematician.
- complete chapter 3,4 and 5 from NCERT book in Notebook.
- write discussed experiments in class in practical notebook

## HOLIDAY HOME WORK



Write discussed experiments in practical note book.

Work on the project as discussed in class.

Complete NCERT exercise of lesson 1,2,3 in numerical notebook.



1. Do the back exercise of lesson 2,3, and 4 in your class notebook
2. As per the requirement of CBSE ,for practical assessment ,each one of you are required to write one project .You can choose any ONE of the Topics given below . It should be hand written ., with pictures , related to the topic on A-4 size sheet ( coloured sheets may be taken ) and should be spiral binded .
  - a) Study of Caesin quantity present in milk .
  - b) Comparative study of the rate of fermentation of the following materials : wheat flour , gram flour, potato juice ,carrot juice .
  - c) Extration of essential oils present in saunf ( aniseed ) , Ajwain (carumseed ) , Illaichi (cardamom)
  - d) Study of common food adulterants in fat , oil , butter, sugar , turmeric powder , chilli powder , black pepper





1. Prepare one project as CBSE requirement on any one of the following topics
  - microbes in human welfare
  - assisted reproductive techniques
  - environment
  - biotechnology
  - human diseases
2. Learn first five chapters thoroughly and practice diagrams to gain proficiency.



Prepare the comprehensive project for accountancy based on the guidelines discussed in the class.

1. Practice the illustrations and back exercise problems from chapter 2 to 5 from the book by T.S. Grewal thoroughly and attempt the test assignment given. (In class notebook)



1. Prepare the project file on the selected topic based on the given guidelines.
2. Learn and attempt the revision test assignments given. (In class notebook)



## INSTRUCTIONS:

1. There are two sections :

a) Section A to be done in the fair notebook & the worksheets should be pasted in the notebook.

b) Section B is on project work which is mandatory for every student as per the CBSE guidelines. This is to be submitted in a spiral project file. *However you must bring it for the teacher's review before the spiral is done.*

### SECTION -A

**COMPLETE THE THREE CRUCIAL ADJUSTMENTS REQUIRED FOR DERIVING ONE AGGREGATE FROM THE OTHER ARE:**

1. GROSS -----?= NET
2. MARKET PRICE - I.T. + -----?= FACTOR COST
3. DOMESTIC +-----?= NATIONAL

Complete the following:

1.  $GDP_{mp} (-) \text{-----} ? + \text{Subsidies}(-) \text{-----} ? = NDP_{fc}$ .

a.  $NDP_{fc} + \text{-----} ? + \text{Subsidies} + \text{depreciation} = GDP_{mp}$

2.  $NDP_{fc} ? = NNP_{fc}$
3.  $NNP_{fc} - ? = NDP_{fc}$
4.  $NDP_{mp} + ? = NNP_{mp}$
5.  $GDP_{mp} + ? = GNP_{mp}$

**Will the following be included National Income? Give reasons for each answer.**

- Q1. (i) Services of owner occupied houses.  
 (ii) Purchase of new shares of a domestic firm.  
 (iii) Purchase of second-hand machine from a domestic firm.  
 (iv) Consultancy fee paid to a foreign expert.  
 (v) Commission paid to agent for the sale and purchase of shares.  
 (vi) Dividend received on shares.

Q2. Will the following be included in gross domestic product / Domestic Income of India? Give reasons for each answer.

- (i) Consultation fee received by a doctor.
- (ii) Purchase of new shares of a domestic firm.
- (iii) Profits earned by a foreign bank from its branches in India.
- (iv) Services charges paid to a dealer (broker) in exchange of second hand goods.

Q3. How will you treat the following while estimating domestic product of India? Give reasons.

- (i) Rent received by a resident Indian from his property in Singapore.
- (ii) Profits earned by a branch of an American Bank in India.
- (iii) Salaries paid to Koreans working in Indian embassy in Korea.

Q4. State whether the following is a stock or flow:

- (a) Wealth,
- (b) Cement production,
- (c) Saving of a household, and
- (d) Income of household.

Q5. Are the following included in the estimation of National Income of a country? Give reasons.

- (i) Bonus received by employees.
- (ii) Government expenditure on defence.
- (iii) Money sent by a worker working abroad to his family.
- (iv) Profit earned by a branch of Indian Bank in London.

Q6. Are the following included in the estimation of National Income of a country? Give reasons.

- (i) Rent free house to an employee by an employer.
- (ii) Purchases by foreign tourists.
- (iii) Purchase of a truck to carry goods by a production unit.
- (iv) Payment of wealth tax by a household.

Q7. Will the following be included in gross domestic product/Domestic Factor Income of India? Give reasons for each answer.

- (i) Old age pension given by govt.
- (ii) Factor income from abroad.
- (iii) Salaries to Indian residents working in American embassy in India.
- (iv) Compensation of employees given to residents of china working in Indian embassy in China.
- (v) Profit earned by a company in India, which is owned by a non-resident.
- (vi) Profit earned by an Indian company from its branch in Singapore.

Q8. Are the following included in the estimation of National Income of India? Give reasons for each answer.

- (i) Profit earned by a foreign company/bank in India.
- (ii) Money received from sale of shares.
- (iii) Salary paid to Americans working in Indian embassy in America.
- (iv) Salary paid to Indians working in Indian embassy in America.
- (v) Scholarship received by a student.
- (vi) Remittances from aboard.

Q9. Will the following be included National Income? Give reasons for each answer.

- (i) Free Medical facility to employees by the employer.
- (ii) Money received from sale of old house.
- (iii) Government expenditure on street lighting.
- (iv) Interest received by a household from a commercial bank.
- (v) Receipts from sale of land.
- (vi) Interest on public debt.



Q10. Are the following included in the estimation of National Income a country? Give reasons.

- (i) Services rendered by family members to each other.
- (ii) Wheat grown by a farmer but used entirely for family's consumption.
- (iii) Expenditure by government on providing free education.
- (iv) Payment of fees to a lawyer engaged by a firm.
- (v) Man of the match award to a player of the Indian cricket team.
- (vi) Payment of the match fee to players of Indian cricket team.

**11. Solve numericals number 16 to 40 of national income accounting given on page number 407 to 418 of the text book.**

### SECTION B: PROJECT WORK



**Dear students complete the research work for the economics project as per the CBSE guidelines. You can choose any of the following topics as suggested by CBSE.**

#### ***SUGGESTED LIST OF PROJECTS AS GIVEN BY CBSE***

- Micro and Small Scale Industries
- Food Supply Channel in India
- Contemporary Employment situation in India
- Disinvestment policy of the government
- Goods and Services Tax Act and its Impact on GDP
- Health Expenditure (of any state)
- Human Development Index
- Inclusive Growth Strategy
- Self-help group
- Trends in Credit availability in India
- Monetary policy committee and its functions
- Role of RBI in Control of Credit
- Government Budget & its Components
- Trends in budgetary condition of India
- Exchange Rate determination – Methods and Techniques
- Currency War – reasons and repercussions
- Livestock – Backbone of Rural India
- Alternate fuel – types and importance
- Sarwa Siksha Abhiyan – Cost Ratio Benefits
- Golden Quadrilateral- Cost ratio benefit
- Minimum Support Prices
- Relation between Stock Price Index and Economic Health of Nation
- Waste Management in India – Need of the hour
- Minimum Wage Rate – approach and Application

- Digital India- Step towards the future
- Rain Water Harvesting – a solution to water crises
- Vertical Farming – an alternate way
- Silk Route- Revival of the past
- Make in India – The way ahead
- Bumper Production- Boon or Bane for the farmer
- Rise of Concrete Jungle- Trend Analysis
- Organic Farming – Back to the Nature
- Any other newspaper article and its evaluation on basis of economic principles.

### **SCOPE OF PROJECT WORK:**

1. Choose a title/topic
2. Collection of the research material/data
3. Organization of material/data
4. Present material/data
5. Analysing the material/data for conclusion
6. Draw the relevant conclusion

### **ESSENTIALS OF THE PROJECT:**

- **Expected Checklist:**
- Acknowledgement
- Index
- Introduction of topic/title
- Identifying the causes, consequences and/or remedies
- Various stakeholders and effect on each of them
- Advantages and disadvantages of situations or issues identified
- Short-term and long-term implications of economic strategies suggested in the course of Research
- Validity, reliability, appropriateness and relevance of data used for research work and for presentation in the project file
- Presentation and writing is neat and coherent in project file
- Citation of **the materials referred to, in the file in footnotes, resources section, bibliography /references etc.**
- Teacher's report
- The Project Report should be handwritten ,minimum 3,500-4,000 words (excluding diagrams & graphs
- it should be an independent, self-directed piece of study

### **BOOKS & SITES FOR REFERENCE:**

Published extracts from newspapers , media, government policies,  
 RBI bulletin,  
 NITI Aayog reports,  
 IMF/World Bank reports,  
 Indian Economic survey etc.  
 Introductory Microeconomics, by NCERT



## Java Programming

**NOTE: ALL PROGRAMS TO BE WRITTEN IN PRACTICAL FILE**

1. Write a program to display below given output

a) \*  
\* \*  
\* \* \*

b) 1 1 1  
2 2 2  
3 3 3

c) 1  
1 2  
1 2 3

d) 1  
2 3  
4 5 6

- WAP to calculate area & perimeter of a rectangle using the concept of class, with different functions.
- WAP to print the area of a circle as a function and pass the value of radius as parameter.
- WAP to calculate area & perimeter of a rectangle. (Overloading/polymorphism).
- WAP to calculate simple interest using the concept of constructor.
- WAP to calculate the addition, subtraction, multiplication & division using the concept of multi level inheritance.
- WAP to calculate simple interest and factorial in different classes and inherit both the classes in one class(interface).
- WAP to display the importance of abstract classes.

## HTML Programming

- Make a web page to display background color, font size and font colour, inserting image etc.
- Make a nested list to display the names of vegetables, fruits & colours
- Make a table to display names of 5 students with table caption
- Write coding to display the given table




5. Write the coding to print the below given form using HTML Form components

Pizza Shop 2.0	
Name	<input type="text"/>
Pizza Topping	<input type="radio"/> Supreme <input type="radio"/> Vegetarian <input type="radio"/> <input type="radio"/> Hawaiian
Pizza Sauce	Tomato <small>&lt;select&gt; &lt;option&gt;Tomato&lt;/option&gt;</small>
Optional Extras	<input type="checkbox"/> Extra Cheese <input type="checkbox"/> Gluten Free Base <small>input type="checkbox"</small>
Delivery Instructions:	
<input type="text"/>	
<input type="submit" value="Send my Order"/> <small>&lt;input type="submit" value="Send my Order"&gt;</small>	



Do the back exercises of the given chapters:

1. Ch 2 (Sports & Nutrition)
2. Chapter 9 (Psychology & Sports)
3. Chapter 10 (Training in sports)