



# DELHI PUBLIC SCHOOL, KARNAL

SESSION 2022-23

**HOLIDAY HOMEWORK**

**CLASS- XII**

<b>SUBJECT</b>	<b>HOME ASSIGNMENT</b>			
<b>ENGLISH</b>	<p><b>1. Project Task:</b> Make a hand written 'Integrated Art Project' on any of the parts of the Chapter / Poem written below (on a white or coloured A4 sheet). Students will have to submit their task in the first week of July 2022. It is compulsory for all the students.</p> <p><b>LOST SPRING</b> <b>MOTHER AT SIXTY-SIX</b></p> <p><b>Points to be mentioned in project:</b></p> <ol style="list-style-type: none"><li>Theme and message of the chapter.</li><li>Images related to the chapter have to be added. Picture should be coloured and worth beholding.</li><li>Character sketch of main characters.</li></ol> <p><b>Note:</b> First four pages of the Project should be the Front page / Title Page, Acknowledgement, Certificate, Index and Last page (About the author).</p> <p><b>2. Revise the syllabus covered so far.</b></p>			
<b>CHEMISTRY</b>	<p style="text-align: center;"><b>XII A</b></p> <p>Prepare a project report on the given topics as per allotted Roll numbers:</p> <table border="1"><thead><tr><th><b>S.No</b></th><th><b>ROLL NUMBER</b></th><th><b>TOPICS</b></th></tr></thead><tbody></tbody></table>	<b>S.No</b>	<b>ROLL NUMBER</b>	<b>TOPICS</b>
<b>S.No</b>	<b>ROLL NUMBER</b>	<b>TOPICS</b>		

1	1 -8	ELECTROCHEMISTRY/HALOALKANES AND HALOARENES
2	9-16	SOLUTIONS/ALCOHOLS ,PHENOLS AND ETHERS
3	17 -24	CHEMICAL KINETICS/ALDEHYDES,KETONES AND CARBOXYLIC ACIDS/COORDINATION CHEMISTRY
4	25-34	D AND F BLOCK ELEMENTS/AMINES/BIOMOLECULES

**1. General Instructions:**

- The project should be summed up in 10-15 pages with impressive presentation.
- It should be typed project on A4 size sheets and spiral binded.
- It should be well researched based on facts and figures.
- It should include coloured pictures, graphs and news clippings.
- The project must have in sequence - Title/Cover page, Certificate, Acknowledgement, Table of Contents, Content and analysis with headings and sub headings and Bibliography.
- Make sure that you should be well versed with the topic of your project, as Viva by external examiner will be based on this topic only.
- Strictly follow the topic allotted by roll number only.

**2.Revise L-2 and L-3.**

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**XII B**

**Prepare a project report on the given topics as per allotted Roll numbers:**

S.No	ROLL NUMBER	TOPICS
1	1 -4	ELECTROCHEMISTRY/HALOALKANES AND HALOARENES
2	5-8	SOLUTIONS/ALCOHOLS ,PHENOLS AND ETHERS
3	9-12	CHEMICAL KINETICS/ALDEHYDES,KETONES AND CARBOXYLIC ACIDS/COORDINATION CHEMISTRY
4	13-14	D AND F BLOCK ELEMENTS/AMINES/BIOMOLECULES

**1. General Instructions:**

- The project should be summed up in 10-15 pages with impressive presentation.
- It should be typed project on A4 size sheets and spiral binded.
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- Make sure that you should be well versed with the topic of your project, as Viva by external examiner will be based on this topic only.
- Strictly follow the topic allotted by roll number only.

**2.Revise L-2 and L-3.**

\*\*\*\*\*

## **BIOLOGY**

**(A) Write the following practicals in file::**

**A. List of Experiments**

- 1. Prepare a temporary mount to observe pollen germination.**
- 2. Study the plant population density by quadrat method.**
- 3. Study the plant population frequency by quadrat method.**
- 4. Prepare a temporary mount of onion root tip to study mitosis.**
- 5. Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc.**

**B. Study and observe the following (Spotting):**

- 1. Flowers adapted to pollination by different agencies (wind, insects, birds).**
  - 2. Pollen germination on stigma through a permanent slide or scanning electron micrograph.**
  - 3. Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice).**
  - 4. Meiosis in onion bud cell or grasshopper testis through permanent slides.**
  - 5. T.S. of blastula through permanent slides (Mammalian).**
  - 6. Mendelian inheritance using seeds of different colour/sizes of any plant.**
  - 7. Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness.**
  - 8. Controlled pollination - emasculation, tagging and bagging.**
  - 9. Common disease causing organisms like Ascaris, Entamoeba, Plasmodium, any fungus causing ringworm through permanent slides, models or virtual images or specimens.**
- Comment on symptoms of diseases that they cause.**

**10. Models specimen showing symbolic association in root modules of leguminous plants, Cuscuta on host, lichens.**

**11. Flash cards models showing examples of homologous and analogous organs.**

**(B)General Instruction for making project file ::**

**• The project should be summed up in 20-25 pages with impressive presentation.**

**• It should be typed project on A4 size sheets.**

**• It should rote well researched based on facts and figures and coloured pictorial and news clippings.**

**• Apart from NCERT content, proper research from net, different books and present status must be added in project.**

**• The project must have following sequence:**

**ü Cover page including the title of project, Student name, Session.**

**ü Acknowledgement**

**ü Certificate**

**ü Table of Contents or Index with page numbers.**

**ü Introduction of the project**

**ü Content and analysis with headings and sub headings and pictures.**

**ü Bibliography**

**• Make sure that you should be well versed with the topic, as Viva by external examiner will be based on that topic only**

**Revise the topics covered till now.**

<p><b>MATHEMATICS</b></p>	<p><i>Let's do some creative work in this summer vacation.</i></p> <p><i>Mathematics lab manual is fun to learn and easy to grasp the subject, so do the following activities in your Maths lab manual:</i></p> <p><i>To verify that the relations <math>R = \{(l,m) : l \in L\}</math> is the set of all lines in a plane is an equivalence relation. (pg. no. 3,4)</i></p> <p><i>To demonstrate a function which is injective but not surjective . (pg. no 7,8)</i></p> <p><b><i>Instructions to be kept in mind while maintaining Maths lab manual:</i></b></p> <p><b><i>Ø Use only blue and black(only for heading)pen.</i></b></p> <p><b><i>Ø On ruled sheet (that is on right hand side)you have to write Name of the Activity, Objective, Pre –Requisite Knowledge, Materials required, Procedure, Observation and Result.</i></b></p> <p><b><i>Ø Do your work neatly.</i></b></p> <p><b><i>Ø Maintain the index also.</i></b></p> <p><b><i>Revise chapters 1 ,3 and 4 from any reference book.</i></b></p>
<p><b>APPLIED MATHEMATICS</b></p>	<p>Prepare project report on following</p> <p># Fibonacci sequence: Its' history and presence in nature</p> <p>#Each day newspaper tells us about the maximum temperature, minimum temperature, and humidity. Collect the data for a period of 30 days and represent it graphically. Compare it with the data available for the same time period for the previous year</p> <p>#Analysis of career graph of a cricketer (batting average for a batsman and bowling average for a bowler). Conclude the best year of his career. It may be extended for other players also – tennis, badminton, athlete</p>
<p><b>ACCOUNTANCY</b></p>	<p><b>Revise and Do additional questions problems given in following chapters</b></p> <ol style="list-style-type: none"> <li><b>1. Fundamentals</b></li> <li><b>2. Change in PSR</b></li> </ol>

	<p><b>3. Admission of a Partner</b>  <b>Also do the assignment shared in class group</b></p>
<p><b>BUSINESS STUDIES</b></p>	<p>1. Prepare notes of Ch. 1-4.  2. Do practice of case studies of Ch. 1-4  3. Prepare an Art Integrated Project on any one topic given below according to Roll Numbers:  <b>Topics:</b> 1. Principles of Management (1-7)  2. Business Environment (8-14)  3. Functions of Management (15-21)  4. Marketing Management (22-28)  5. Financial Market (29-35)</p> <ul style="list-style-type: none"> <li>❖ Each student will prepare and submit his/her project report with Art Integrated Activities.</li> <li>❖ Art Integration may be performed with the Help of Videography and PPT with audio.</li> <li>❖ Guidelines for Project work are given below:</li> </ul> <p>Following essentials are required to be fulfilled for its preparation and submission.</p> <ol style="list-style-type: none"> <li>1. The total length of the project will be of 25 to 30 pages.</li> <li>2. The project should be handwritten.</li> <li>3. The project should be presented in a neat folder.</li> <li>4. The project report should be developed in the following sequence-</li> <li>5. Cover page should include the title of the Project, student information, school and year.</li> </ol> <p><b>List of contents.</b></p> <ul style="list-style-type: none"> <li>● Acknowledgements and preface (acknowledging the institution, the places visited and the persons who have helped).</li> <li>● Introduction.</li> <li>● Topic with suitable heading.</li> <li>● Planning and activities done during the project, if any.</li> <li>● Observations and findings of the visit.</li> <li>● Conclusions (summarized suggestions or findings, future scope of study).</li> <li>● Photographs (if any).</li> <li>● Appendix</li> <li>● Teacher's observation.</li> <li>● Signatures of the teachers.</li> <li>● At the completion of the evaluation of the project, it should be punched in the centre so that the report may not be reused but is available for reference only.</li> <li>● The project will be returned after evaluation. The school may keep the best projects.</li> </ul>

<p><b>ECONOMICS</b></p>	<ol style="list-style-type: none"> <li>1. Prepare notes of Ch. 1-5.</li> <li>2. Do practice of case studies of Ch. 1-5</li> <li>3. Prepare an Art Integrated Project on any one topic given below: Students have to make projects on the topic given to them</li> </ol> <p><b>Topics:</b></p> <ol style="list-style-type: none"> <li>1. National Income (Roll no.1-10 XII C)</li> <li>2. Banking system in India (Roll no.11-20XII C)</li> <li>3. Central bank of India (Roll no.21-30XII C)</li> <li>4. Government budget (Roll no.31 onward XII C)</li> <li>5. Small scale industries (Roll no.1-10 XII D)</li> <li>6. Foreign exchange rate (Roll no.11-20 XII D)</li> <li>7. Balance of payment (Roll no.21-30 XII D)</li> <li>8. Indian Economic planning (Roll no.31 Onward XII D)</li> <li>9. Indian agriculture system (New Agricultural Policy) (Roll no.1-10 XII E)</li> <li>10. Economic Reforms 1991(Roll no.11-20 XII E)</li> <li>11. Human Capital formation</li> <li>12. Rural Development in India</li> </ol> <p>➤ Each student will prepare and submit his/her project report with Art Integrated Activities.</p> <p>➤ <b>Guidelines for Project work are given below:</b></p> <p><b>*Following essentials are required to be fulfilled for its preparation and submission.</b></p> <ol style="list-style-type: none"> <li>1. The total length of the project will be of at least 30 pages.</li> <li>2. The project should be handwritten.</li> <li>3. The project should be presented in a neat folder.</li> <li>4. The project report should be developed in the following sequence-       <ol style="list-style-type: none"> <li>a) Cover page should include the title of the Project, student information, school and year.   List of contents.</li> <li>b) Acknowledgements and preface (acknowledging the institution, the places visited and the persons who have helped).</li> <li>c) Introduction.</li> <li>d) Topic with suitable heading.</li> <li>e) Planning and activities done during the project, if any.</li> <li>f) Observations and findings of the visit.</li> <li>g) Conclusions (summarized suggestions or findings, future scope of study).</li> <li>h) Photographs related to concerned subject matter (if any).</li> </ol> </li> </ol>



- i) Appendix
- j) Teacher's observation.

**POLITICAL  
SCIENCE**

**Prepare a project report :**

S.No	TOPICS	ROLL NUMBER
1.	USSR Disintegration.	1 - 4
2.	New Centers of Power – European Union, ASEAN and BRICS	5 - 8
3.	New Centers of Power – China, India, Israel and Russia	9 - 12
4.	The highly skewed idea of UN. (Organs, Agencies and Drawbacks)	13 - 16
5.	Globalization	17 - 20

**General Instructions:**

- The project should be summed up in 20-25 pages with impressive presentation.
- It should be handwritten project on thick coloured A4 size sheets.
- It should be well researched based on facts and figures and coloured pictorial and news clippings.
- Apart from NCERT content, proper research from net, different books and news clippings and present status must be added in project.
- The project must have following sequence:

- ü Cover page including the title of project, Student name, Session.
- ü Acknowledgement
- ü Certificate
- ü Table of Contents or Index with page numbers.
- ü Introduction of the project
- ü Content and analysis with headings and sub headings.
- ü Bibliography

• Make sure that you should be well versed with the topic, as Viva by external examiner will be based on that topic only

Revise the topics covered till now. (Chapter 1 to 3)

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## HINDI

(1) निम्नलिखित विषय पर अनुक्रमांक के अनुसार परियोजना (प्रोजेक्ट) तैयार कीजिए।

क्रम संख्या	अनुक्रमांक	विषय
1	1,2,3	हरिवंश राय बच्चन
2	7,8,9	महादेवी वर्मा
3	11,12,17	हिंदी कविता में प्रकृति चित्रण

- ❖ कवर पेज
- ❖ अपना परिचय  
विद्यालय का नाम, सत्र, विषय, उपविषय  
प्रस्तुतकर्ता प्राप्तकर्ता  
नाम अध्यापक का नाम  
कक्षा  
अनुक्रमांक
- ❖ प्रमाण-पत्र
- ❖ आभारोक्ति
- ❖ अनुक्रमणिका  
क्रम संख्या विषय पृष्ठ संख्या
- ❖ हरिवंश राय बच्चन/महादेवी वर्मा (पाठ- आत्मपरिचय, एक गीत/भक्तिन )  
जीवन परिचय  
(जन्म, परिवार, शिक्षा, रचनाएँ, भाषा, साहित्यिक विशेषताएँ, प्रमुख पुरस्कार, विभिन्न रचनाओं का संक्षिप्त वर्णन, मृत्यु )
- ❖ हिंदी कविता में प्रकृति चित्रण (पाठ-उषा/बगुलों के पंख कविता)  
(विभिन्न कवियों की कविताओं का तुलनात्मक अध्ययन, भाषा शैली, विशेषताएँ, वर्तमान के साथ प्रासंगिकता)
- ❖ पाठ्यपुस्तक में वर्णित पाठ का सारांश
- ❖ सन्दर्भ सूची
- ❖ धन्यवाद
- ❖ अध्यापक टिप्पणी

विशेष :

- ❖ ए4 साइज शीट का प्रयोग कीजिए।
- ❖ उपयुक्त चित्र सहित संबंधित जानकारी प्रस्तुत कीजिए।
- ❖ कुल पृष्ठ 15-18
- (2) अपठित गद्यांश और अपठित काव्यांश का अभ्यास कीजिए।
- (3) निम्नलिखित विषयों पर लगभग 120 शब्दों में रचनात्मक लेखन कीजिए।
  - वृक्ष मनुष्य के सच्चे हितैषी
  - परोपकार मनुष्य का धर्म
  - पृथ्वी की रक्षा हेतु पर्यावरण की सुरक्षा
- (4) पठित पाठ्यक्रम की पुनरावृत्ति कीजिए।

## **GEOGRAPHY**

### **PRACTICAL WORK BASED HOMEWORK:**

As per the guidelines of CBSE Geography is having an external practical exam of 30 marks for which all students have to prepare 3 Practical files. So in order to save your precious time we'll be completing two practical files as a part of our Holidays Homework.

**PRACTICAL FILE -1 Use of Central Tendencies in Data Interpretation.**

**PRACTICAL FILE-2: Use of Computers in Data Processing & Spatial Information Technology.**

**PRACTICAL FILE-3: GRAPHICAL REPRESENTATION OF DATA (LAB WORK)**

### **GENERAL INSTRUCTIONS:**

1. The file must be hand written on A- 4 sheets.
2. There should be a proper index.
3. The file must include Cover page, Acknowledgment and Bibliography.
4. The material will be uploaded in the teams.
5. The submission date for the first two files is the first week of July.

### **MAP WORK BASED HOMEWORK:**

As maps are an integral part of Geography and also carry 10 marks in Board exams, so it's very important to be well versed with them. So, keeping this in mind you all must make and practice all the maps given in the Map list of your textbooks i.e. Part A & B. Must also comply them in a file for future references.

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**HISTORY****Prepare a Project Report :**

<b>S.No</b>	<b>TOPICS</b>	<b>STUDENT'S NAME</b>
<b>1.</b>	<b>Bricks, Beads and Bones The Harappan Civilisation</b>	<b>Radhika Jindal</b>
<b>2.</b>	<b>King's ,Farmers and towns early states economics</b>	<b>Arshdeep Singh</b>
<b>3.</b>	<b>Kinship, Caste and class early societies</b>	<b>Vanshjeet Singh</b>
<b>4.</b>	<b>Bricks, Beads and Bones The Harappan Civilisation</b>	<b>Aayushi Thakur</b>
<b>5.</b>	<b>King's ,Farmers and towns early states economics</b>	<b>Krish Khurana</b>
<b>6.</b>	<b>Kinship, Caste and class early societies</b>	<b>Aakash Tyagi</b>

**General Instructions:**

- **The project should be summed up in 15 - 20 pages with impressive presentation.**
- **It should be handwritten project on thick coloured A4 size sheets.**

- **It should be well researched based on facts and figures and coloured pictorial and news clippings.**
- **Apart from NCERT content, proper research from net, different books and news clippings and present status must be added in project.**
- **The project should have following sequence:**
  - ü **Cover page including the title of project, Student name, Session.**
  - ü **Acknowledgement**
  - ü **Certificate**
  - ü **Table of Contents or Index with page numbers.**
  - ü **Introduction of the project**
  - ü **Content and analysis with headings and sub headings.**
  - ü **Bibliography**
- **Make sure that you should be well versed with the topic, as Viva by external examiner will be based on that topic only.**

**NOTE: Make notes and revise Ch - 1, 2, 3**

<p><b>PHYSICAL EDUCATION</b></p>	<p><b>Prepare practical file on following topics:</b></p> <p><b>Athletics</b>  <b>Labelled diagram of 400 M track and Field with computations.</b>  <b>History of Athletics</b>  <b>Latest Rules Related to Athletics</b>  <b>Measurement of Track</b>  <b>Types of Track</b>  <b>Types of Start</b>  <b>Order for starting the Races</b>  <b>Finishing of Races</b></p> <p><b>Field Events</b>  <b>(i) Throwing Event</b>  <b>Shot Put</b>  <b>(ii) Jumping Event</b>  <b>Long Jump</b></p> <p><b>Yoga</b>  <b>Procedure for Asanas, Benefits and contraindication for any two asanas for each lifestyle disease.</b></p> <p><b>Game</b>  <b>Anyone IOA recognised Sport / Game of choice. Labelled diagram of field and equipment. Also mention its Rules, Terminologies and skills.</b></p> <p>*****</p>
<p><b>PAINTING</b></p>	<p><b>1:Prepare folder for your painting practical.</b>  <b>2.Make one Smoke Fountain.</b>  <b>3.African Art with home made clay.</b></p>
<p><b>MUSIC</b></p>	<p><b>Practical file</b>  <b>1: An outline knowledge of lakshan grantha"sangeet sampradaya pradarshani"</b>  <b>2: swarmelkalanidhi</b>  <b>3: Brihdeshi</b>  <b>4:Short life sketch" Annamacharya",swatitirunal</b>  <b>5: Detail study of" Manodharma sangeet"</b>  <b>6: defination of janak-janya raga,Upanga,Bashanga,Varja,Vakra raga</b>  <b>7:Rag prescribed" pantuvarali,todi,Nata,Saveri,Shri</b></p>

	<b>8:Taal aditala, rupaktala</b>															
<b>COMPUTERS</b>	<b>Programming Practical File Work</b> A list of python Programs will be given .															
<b>PHYSICS</b>	<p>Prepare a project report on the given topics as per allotted Roll numbers:</p> <table border="1"> <thead> <tr> <th>S.No</th> <th>ROLL NUMBER</th> <th>TOPICS</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1 -8</td> <td>ELECTROSTATICS</td> </tr> <tr> <td>2</td> <td>9-16</td> <td>SEMICONDUCTORS</td> </tr> <tr> <td>3</td> <td>17 -24</td> <td>ELECTROMAGNETIC WAVES</td> </tr> <tr> <td>4</td> <td>25-34</td> <td>OPTICS</td> </tr> </tbody> </table> <p><b>1. General Instructions:</b></p> <ul style="list-style-type: none"> <li>• The project should be summed up in 10-15 pages with impressive presentation.</li> <li>• It should be <b>HAND WRITTEN</b> on A4 size sheets and spiral binded.</li> <li>• It should be well researched based on facts and figures.</li> <li>• It should include coloured pictures, graphs and news clippings.</li> <li>• The project must have in sequence - Title/Cover page, Certificate, Acknowledgement, Table of Contents, Content and analysis with headings and sub headings and Bibliography.</li> <li>• Make sure that you should be well versed with the topic of your project, as Viva by external examiner will be based on this topic only.</li> <li>• Strictly follow the topic allotted by roll number only.</li> </ul> <p><b>2.Revise L-1 AND L- 2.</b></p> <p><b>XII B</b></p>	S.No	ROLL NUMBER	TOPICS	1	1 -8	ELECTROSTATICS	2	9-16	SEMICONDUCTORS	3	17 -24	ELECTROMAGNETIC WAVES	4	25-34	OPTICS
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1	1 -8	ELECTROSTATICS														
2	9-16	SEMICONDUCTORS														
3	17 -24	ELECTROMAGNETIC WAVES														
4	25-34	OPTICS														

**PHYSICS**

Prepare a project report on the given topics as per allotted Roll numbers:

S.No	ROLL NUMBER	TOPICS
1	1 -4	ELECTROSTATICS
2	5-8	MAGNETIC EFFECT OF CURRENT AND MAGNETISM
3	9-12	OPTICS
4	13-14	SEMICONDUCTORS

**1. General Instructions:**

- The project should be summed up in 10-15 pages with impressive presentation.
- It should be **HAND WRITTEN** project on A4 size sheets and spiral binded.
- It should be well researched based on facts and figures.
- It should include coloured pictures, graphs and news clippings.
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- Make sure that you should be well versed with the topic of your project, as Viva by external examiner will be based on this topic only.
- Strictly follow the topic allotted by roll number only.

**2.Revise L-1 AND L- 2.**