HOLIDAY HOMEWORK  
SESSION 2014-2015  
CLASS – X

Congratulations! New session, new friends and new books have already taken their place in this new academic session…….. And now it’s time for a long vacation!!!!!!! Summer vacation beckons you to freak out, have fun, fast food and of course savor a large dollop of lazy time. However all play and no work can make you lag behind. So the answer is to plan a balanced vacation in a sensible manner with a little of everything lest you get carried away and the books and mind gather dust. We know you are disciplined enough to effectively juggle your time between the idiot box, Apps mania, and social networking….. Have a wonderful time and cherish the memories of being with friends and family!!!!

Some pointers for students to follow:

✓ Plan your vacations that you promptly attend school on the first day.
✓ Manage your time and dispense the work for quick completion.
✓ Do not hustle yourself at the last minute.
✓ Be independent and honest in doing your work.
✓ Pick up a new activity for leisure time.

HOLIDAY HOME-WORK SUBMISSION SCHEDULE:

<table>
<thead>
<tr>
<th>Date of submission</th>
<th>Subjects</th>
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<tr>
<td>1st July</td>
<td>Social Science, Hindi</td>
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<tr>
<td>2nd July</td>
<td>Science, English</td>
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<tr>
<td>3rd July</td>
<td>Mathematics, Sanskrit/French</td>
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ENGLISH

1. AESTHETIC ARTICLE (Roll No. 1-10)

Compile information from the net, library and your Main Course Book and write an article on any of the following:
   a. Usage of laser in the field of medicine
   b. Volcanic Eruption
   c. Floods

It should have enough visuals with captions/illustrations and should be handwritten.

2. BOOK REPORT(Roll No. 11-20)

Read the following books:
   ➢ NO GUNS AT MY SON’S FUNERAL- By PARO ANAND
     India Ink Roli Books publications
   ➢ A PINCH OF SALT ROCKS AN EMPIRE- By SAROJINI SINHA
     Children Book Trust Publication

On the basis of your Reading – Prepare a Joint Book Report, design a suitable cover complimenting both the books and attach your report inside it.

3. PAPER BACK APPRAISAL(Roll no. 21-30)

Prepare a book appraisal of any paperback that you have read during the summer vacation. You must include:
   a. the name of the book
   b. the writer
   c. the important characters
   d. a very brief outline of the book
   e. why the book was worth reading/ not worth reading.

SUGGESTED READING
1. To kill a mocking bird - Harper Lee
2. The Diary of a young girl – Anne Frank
3. Da Vinci Code – Dan Brown
4. Two states – Chetan Bhagat
5. Namesake – Jhumpa Lahiri

ANY OTHER BOOK BY
1. J.K Rowling
2. Agatha Christie
3. Arthur Conan Doyle
4. R K Narayan
5. Vikas Swaroop
6. APJ Abdul Kalam
7. Or any short story collection by any Indian author
4. **LITERARY ANALYSIS (Roll No. 31-40)**

Prepare an analysis on life, literary style literary achievements and historical background of any one of the following authors:

a. Shakespeare  
b. William Blake  
c. P.B. Shelley

Also write the summary of any play or poem by the author of your choice

**MATHEMATICS**

**INSTRUCTIONS**

a) Try to avoid thermacole for any model or project.  
b) Try to use eco friendly material available at your home for making models or projects.  
c) Roll no’s of students are provided for a particular model or project. Follow it strictly.

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<tr>
<th>S.NO</th>
<th>ROLL NO</th>
<th>MODEL/PROJECT NO</th>
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<tr>
<td>1</td>
<td>1-9</td>
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<td>2</td>
<td>10-18</td>
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<td>3</td>
<td>19-27</td>
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<td>4</td>
<td>28-36</td>
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1) How similar and congruent figures are different from each other. Explain with the help of different figures and diagrams. List different ways of proving different triangles to be congruent or similar. Can we say all similar figures are congruent and vice versa. Explain by giving different examples. Present it either through a PPT.

2) Make a model of a Robot using different used boxes present at your home. Try to use different Mathematical figures like cube, cuboid, cone, sphere, hemisphere etc. for it. Also find the volume and the total surface area of the Robot.

3) Trace the history of Indian Mathematician and their contribution to the field of Mathematics. Write down the information in a scrap file.

4) Watch the ongoing IPL-7 tournament and express the different information’s through a bar graph, histogram and a pie chart on a scrap notebook. Also write the advantages of presenting the information through these graphs or chart.

**SCIENCE**

**Compulsory for all:** Write an article on the topic

“Scientific temper and courage can help us to challenge blind beliefs”

1. Make a PowerPoint presentation showing “Role of organic compounds in human development “. Your presentation should consist of 15-20 slides. Kindly ensure that content should be explained more in the form of web-charts and flow charts. (Roll No: 1-6)
2. In this era of health consciousness, it is hard not to get sucked up in the heated discussions about Saffola versus Extra virgin olive oil, how Dalda Vanaspati can clog up arteries, etc. Find out what is the “refined” story behind refined oils? Collect the information and compile all the contents in a project file. (Roll No: 7-12)

3. Make a 3-D model of open/closed stomatal aperture. (Roll No: 13-18)

4. Make a fact file about aquatic plants and discuss how they are different from terrestrial plants. (Roll No: 19-24)

   Hints:
   - Morphological/external features
   - Anatomical/internal organization (types of leaves, location of stomata, more air spaces etc)
   - Regions of water bodies where they are found
   - Are they present even deep under water bodies?
   - How does their presence affect the water bodies?

   Make a project file on the topic “increasing cases of High Blood Pressure (B.P.)

   - Discuss the probable causes and consequences of high B.P.
   - What changes are required to be made in the life cycle to manage the B.P, levels?
   - What kind of food is good for people with high/low B.P.?
   - Show the statistical/graphical analysis of high/low B.P. cases in India in the past decade.

5. Collect information about different Hydroelectric and thermal power plants in India. Explain, how they are used in generating electricity. From where they collected raw material for their use. What is their output. How they effect the economy of any nation. How hydroelectric power plants helps in controlling floods and in irrigation. Also explain their limitations and drawbacks with some data. (Roll No: 25-30)

6. Collect information about nuclear power plants. From where they collected raw material for their use. What is their output. How they effect the economy of any nation. How they are used to generate electricity. Explain the concept of Nuclear fission and fusion with the help of of diagram. What is a chain reaction. Draw a model of Nuclear Power Plant. Explain the role of each part in the generation of electricity. Also write how the Nuclear waste is dumped in nature. Suggest some safe measures for its dumping. (Roll No: 31-36)

SOCIAL STUDIES

DISASTER MANAGEMENT (Compulsory For Students of All Sections)

LESSON 1 & 2

1. **Activity Name: Architectural Plan (Roll No. 1-20)**
   **Guidelines:** 1. Students can prepare architectural plan of a house showing safer construction practices in case of flood, earthquake, cyclones.
   2. They can show a part of a building with proper labels on A3 size sheets.
   **Sources:** CBSE book of D.M, Wikepedia.com

2. **Activity Name: Glossary Making (Roll No. 21 onwards)**
   **Guidelines:** 1. Prepare a glossary of important and common architectural terms used for safer construction practices in case of different disasters.
   2. Use pictures and Diagrams to make it more clear and attractive.
   **Sources:** Wikepedia.com
LESSON-2 SECTORS OF INDIAN ECONOMY

3. **Activity Name : Data collection on the basis of survey report**  
   *(Roll No. 1-9) (X- A, B, C, D)*
   
   **Guidelines** : 1. Students will collect data from relevant sources around their society and show in forms of Pie chart, bar graphs etc. that how many people around their houses or in their society work in organized and unorganized sectors, what are their working conditions, facilities they get, salaries they get. They can also compare the two and conclude with their suggestions or views on A4 size sheets compiled in a file.

4. **Activity Name: Advertisement (Roll No. 10-17) (X- A, B, C, D)**
   
   **Guidelines** : 1. Students will make placards showing advertisement on any one of the following : a). NREGA and its benefits, b). promoting small scale industries c) Assistance to farmers by govt. for seeds , fertilizers, other equipments and knowledge.
   2. They will attract people by their advertising schemes on A3 size sheets.
   **Sources**: Wikipedia.com, newspaper, magazines, ideas from TV ads.

LESSON -3 WATER RESOURCES

5. **Activity name : File report on different methods of rain water harvesting methods.**  
   *(Roll No. 18-26) (XA-XB)*
   
   b. Kuls or guls  
   c. Inundation canals  
   d. Khadins and Johads  
   e. tankas  
   f. Bamboo drip irrigation system  
   2. Prepare a report on any one explaining the features of method, which states they are used, their pictorial or diagrammatic structure, state govt. Initiations.
   **Sources**: Wikepedia. Com, NCERT text book.

LESSON 4 AGRICULTURE

6. **Activity Name : Comparative Study (Roll No. 18-26) (XC-XD)**
   
   **Guidelines**:
   1. On A3 size sheets students will prepare a table showing comparison between cultivation of rice, wheat , sugarcane on the basis of following information:
      A. Geographical conditions (soil, climate, rainfall)  
      B. Season  
      C. Regions of cultivation  
      D. Chief features  
   2. Students can use pictures and maps to make it more informative.
   
   **Sources**: Wikepedia.com, NCERT text book
LESSON -3 DEMOCRACY AND DIVERSITY

7. **Activity Name : Slogan Writing (Roll No. 27 onwards) (XA-XB)**
   **Guidelines**: 1. Create a slogan on unity in diversity, or stop discrimination.
   2. On A3 size sheets students will create animation, pictures or cut outs of newspaper articles to show what their slogan depicts to make it more attractive.

   **Sources**: Newspapers, Magazines, Wikepedia.com

LESSON -3 WATER RESOURCES

8. **Activity Name : Make a sign board (Roll No. 27 onwards) (XC-XD)**
   **Guidelines**: 1. Students will prepare a signboard showing animations, symbols or warnings which can be placed near water bodies. For example: Do not litter signboards with symbols.
   2. Students can use lid of or top cover of shoe boxes or cardboard of A3 size.

   **Sources**: Wikepedia. Com

FRENCH

**PROJET DE VACANCES ESTIVALES**
**Dixième Classe**

Lisez un roman français(n’importe quel de votre choix) et écrivez un commentaire. Écrivez également des informations sur l'auteur et ses autres œuvres.(faites le travail sur un papier de taille A4). Vous devez aussi ajoutez des images.
संस्कृत

समस्त छात्रों के लिए अनिवार्य है।

1. निम्नलिखित में से किसी एक पर लोगों निर्मित कीजिए।
   महिला साक्षरता, विश्व स्वस्थ्य दिवस, पर्यावरण दिवस, सेना दिवस (ए 3 शीट पर)

अनुक्रमांक 7 से 7

2. किसी एक विषय पर पी0 पी0 टी0 तैयार कीजिए।
   अपना मनपंथ, खेल, धार्मिक, बाल मजूरी, संधि, रचना आदि।

समस्त छात्रों के लिए अनिवार्य है।

3. एक सुंदर सा फोल्डर बनाकर उस पर संस्कृत में स्लोगन लिखें।

अनुक्रमांक 8 से 96

4. पेपर में से सुंदर आर्केक घटिका बनाएं और उसमें समय दर्शाये।
   (अलग-अलग आकृति में)

अनुक्रमांक 97 से 23

5. निम्नलिखित में से किसी एक विषय पर संस्कृत में नाटक लिखें।
   वंद्रकुप, राम भरत मिलाप, शाकुन्तल, महाराणाप्रताप, दान वीर कर्ण
हिंदी

क्रम संख्या 1से 9 के लिए
9. भारत के अनेक राज्यों में आदिवासी एवं आदिम जनजातियों रहती हैं। आदिवासियों की मुख्य प्रजातियों के रहन-सहन के विषयों में इंटरनेट, पुस्तकालय या भूगोल के अध्यापक से जानकारी प्राप्त कर प्रेजेंटेशन तैयार कीजिए।

क्रम संख्या 10 से 19 के लिए
2. वर्गीकृत विज्ञापन संक्षिप्त, सज्जारहित तथा अल्प व्यक्तिकारी होते हैं। शोक संवेदना, विवाद, बड़हाई, खोया-पाया, क्रय-विक्रय, नौकरी, स्मारिका आदि के विज्ञापन, जनमत तैयार करने वाले शिक्षाप्रद विज्ञापन, सरकार की उपलब्धियों जैसे प्रचाराल्पक विज्ञापन में से कोई चाहिए विज्ञापन रंगीन व विचारात्मक तरीके से एक चार्ट शीट पर सुन्दर प्रस्तुति करण करें।

क्रम संख्या 20 से 29 के लिए
3. भारत के मानचित्र पर दे स्थान अंकित करें, जहाँ चाय की पैदावार होती है। इन स्थानों से संबंधित भौगोलिक स्थितियाँ क्या हैं? अलग-अलग जगह की चाय एवं हरी चाय की त्वचा विशेषताएं हैं। इन पर जानकारी एकत्रित कर परियोजना पुस्तिका बनाएं।

क्रम संख्या 30से 40 के लिए
4. प्रसिद्ध कहानियाँ की किसी भी एक कहानी को पढ़ें एवं उस कहानी के प्रिय पात्र पर कक्ष में मौखिक प्रस्तुतिकरण करें तथा कहानी की समीक्षा भी करें।उदाहरणस्वरूप -विष्णु शर्मा रचित पंचतंत्र, रस्किन बॉंड की प्रसिद्ध कहानियाँ।