



HOLIDAY HOMEWORK

SESSION 2026 – 27

CLASS: X

ENGLISH

General instructions:

- *Complete the work authentically.
- *Avoid plagiarism
- *Adhere to the complete information about the assignment.
- *Ensure submission on time

Grammar

- Revise and practice the rules of tenses.
- Practice the correct usage of tenses.

Literature

- Learn the question answers of the chapters for UT 1.

Creativity

Based on the theme "Vasudev Kutumbkam" prepare an art integrated project in order to promote tourism of your state Jharkhand in contrast with Telangana by designing a travelogue brochure comprised of

- *Cuisine menu
- *Transport detail
- * Stay detail
- * Local shopping
- *Traditional wear

Model of the project file.

Page 1- Cover page with title of project and School details
Of students.

Page 2 - statement of purpose/objectives/goals

Page 3- certificate of completion under the guidance of the teacher.

Page 4 - action plan for the completion of assigned task .

Mid page- project/report/details. (Graphics, pictures and other evidences on the left hand side and the content of the report to be written in your own handwriting on the right hand side of the page).

Last page- list of resources and bibliography.

- (A) Write a book on your own interested genre of minimum 14 pages including a cover page, acknowledgement, content & page no. Add all the flavours of attraction for readers in it.

HINDI

कक्षा दसवीं हिंदी हॉलिडे होमवर्क

1. निबंध लेखन (Essay Writing)

निम्न में से किसी एक विषय पर 120 शब्दों में अनुच्छेद लिखो:

लड़की पढ़ाओ लड़की बचाओ

जल नहीं तो कल नहीं

पुस्तक मित्र

2. व्याकरण (Grammar)

क) सरल से मिश्र और संयुक्त

मिश्र से सरल और संयुक्त

संयुक्त से सरल और मिश्र वाक्य के 5-5 वाक्य कूल 30 वाक्य अपने किसी व्याकरण पुस्तक से बनाएं।

ख) उपमा, रूपक, अतिशयोक्ति, मानवीकरण और उत्प्रेक्षा अलंकार के 5-5 उदाहरण अपने व्याकरण की पुस्तक से लिखें।

ग) कर्तृवाच्य से कर्म वाच्य

एवं कर्तृवाच्य से भाववाच्य के 5-5 उदाहरण अपने व्याकरण के पुस्तक से लिखें।

3. पत्र लेखन (Letter Writing)

एक औपचारिक या अनौपचारिक पत्र लिखो:

अपने मित्र को छुट्टियों का वर्णन करते हुए पत्र

या

बर्षा के कारण आपके मुहल्ले में सड़क पर गंदा पानी जम गया है जिससे आने जाने में दिक्कत हो रही है। बिमारी फैलने का डर है। इसलिए नगर निगम, रांची के निदेशक को एक शिकायत पत्र लिखें।

4. रचनात्मक कार्य (Creative Work)

सरला विरला स्कूल के निदेशक को एक स्ववृत्त लिखें जिसमें आप गणित के शिक्षक के लिए अपनी नियुक्ति चाहते हैं।

अथवा

बुटी मोड़ पर आप एक दवा का दूकान खोलना चाहते हैं उसका रंगीन विज्ञापन तैयार करें।

SANSKRIT

1. पाठ -1 (शुचिपर्यावरणम्), पाठ -2 (बुद्धिर्बलवती सदा) शब्दार्थ एवं भाषिककार्यम् स्मरन्तु लिखन्तु च।
2. अस्मद् एवं युष्मद् शब्द रूपं स्मरन्तु लिखन्तु च।
3. परियोजना कार्यम् – गुरुकुलम् (चित्रेण सह) दश वाक्यानि रचयत।
(संपूर्ण कार्य संस्कृत कॉपी में करना है)

MATHEMATICS

Chapters: 1. Real Numbers, 2. Polynomials, 3. Linear Equations in Two Variables

1. Find the HCF of 135 and 225.
2. Prove that $\sqrt{7}$ is an irrational number.
3. Find the LCM and HCF of 42 and 90 using the prime factorization method.
4. Divide the polynomial $2x^3 + 3x^2 - 11x + 6$ by $x - 2$.
5. Find the zeroes of the polynomial $p(x) = x^2 - 7x + 12$ and verify the relationship between zeroes and coefficients.
6. Construct a quadratic polynomial whose zeroes are 2 and -3 .
7. Form a pair of linear equations for the following situation: A number consists of two digits. The digit in tens place is three times the digit in ones place. The sum of digits is 8.
8. Solve the pair of linear equations: $2x + 3y = 11$ and $3x - y = 4$, using substitution.
9. Solve the pair of equations graphically: $x + y = 6$ and $x - y = 2$.
10. A boat goes 30 km upstream and 30 km downstream in 7 hours. If the speed of the stream is 3 km/h, find the speed of the boat in still water using linear equations.

Project Work

Draw the graph of 3 different linear pairs of equations showing the 3 conditions of solution

- (i) Intersecting line showing unique solution
- (ii) Coincident line showing many solution solutions
- (iii) Parallel lines showing no solution

PHYSICS

1. Draw neat and labelled ray diagrams for:

A) Image formation by a concave mirror when the object is :-

- Beyond C (Centre of curvature)
- At C (Centre of curvature)
- Between C (Centre of curvature) and F (Focus)

Also mention the position of image, size of image and nature of image in each case.

B) Image formation by a convex mirror when the object is :-

- At infinity
- Between infinity and pole.

Also mention the position of image, size of image and nature of image in each case.

2. Observe any five objects at home where mirrors are used. Write the:-

- Name of the object -
- Type of mirror used -
- Its use -

3. Define the following terms of a spherical mirror:-

- Principal axis-
- Focus-
- Radius of curvature-
- Pole-

4. Differentiate between real image and virtual image with examples.

5. Learn Chapter- 7: Light: Reflection and Refraction.

(NOTE:- Holiday Homework has to be done in A4 size paper and submit it in a stick file.)

CHEMISTRY

Chapter: Chemical Reactions and Equations

Part A – Project Work

Chemistry in Everyday Life

Prepare a short project on the following reactions with:

Definition

One example

Balanced chemical equation

Daily life use/picture

Topics:

1. Combination Reaction
2. Decomposition Reaction
3. Displacement Reaction
4. Double Displacement Reaction
5. Exothermic Reaction
6. Endothermic Reaction

Use coloured headings and neat diagrams.

Part B – Investigation Work

Rusting of Iron

Aim:

To study conditions necessary for rusting.

Materials:

Iron nails, test tubes, water, oil and cotton.

Procedure:

Keep iron nails in:

Air + water

Boiled water + oil

Dry cotton

Observe for 3–4 days.

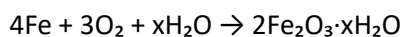
Observation:

Rust appears only where both air and water are present.

Conclusion:

Air and moisture are necessary for rusting.

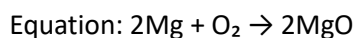
Equation:



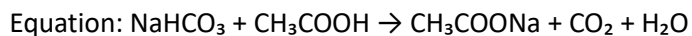
Part C – Activity Work

Perform any ONE activity:

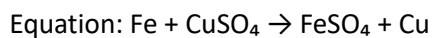
1. Burning of Magnesium Ribbon



2. Vinegar + Baking Soda Reaction



3. Iron Nail in Copper Sulphate Solution



Write:

Aim

Materials Required

Observation

Conclusion

Chemical Equation

Use neat handwriting and coloured headings.

BIOLOGY

1. Draw and label the diagrams of
 - a) sectional view of human heart.
 - b) Double circulation.
 - c) Flow chart of Oxidation of glucose in different ways.
2. Complete intext questions of ch.5 up to transportation (pg. 96).

SOCIAL SCIENCE (HISTORY)

CHAPTER – 1 (THE RISE OF NATIONALISM IN EUROPE)

PICTURE BASED QUESTIONS.

1. The Cover of German almanac designed by the journalist Andreas Rebmann 1798 Describes which event.

- a) Storming of Bastille fort
- b) The city of Mainz
- c) Two buildings of France
- d) None of the above



2. Which of the following aspect best signifies this image of Germania?

- a) Heroism and Justice
- b) Folk and Cultural Tradition
- c) Austerity and Asceticism
- d) Revenge and Vengeance



3. Which of the following event is described in the following in image?

- a) Signing of Treaty of Vienna.
- b) Founding of Young Europe in Berne 1833.
- c) Giuseppe Mazzini unifying Italy
- d) None of the above



4. It consist of two statements – **Assertion(A) and Reason(R)**. Answer these question by selecting the appropriate option given below.

Assertion(A): Ideas of national unity in early 19th century Europe were closely allied to the ideology of liberalism.

Reason(R): The term 'Liberalism' derives from the Latin root 'liber' meaning free.

- a. Both A and R are true & R is the correct explanation of A.
- b. Both A and R are true, but R is not the correct explanation of A.
- c. A is true, but R is false.
- d. A is false, but R is true.

5. It consist of two statements – **Assertion(A) and Reason(R)**. Answer these question by selecting the appropriate option given below.

Assertion(A): Zollverein was formed at the initiative of Austria and joined by very few of the German states.

Reason(R): The aim of the Zollverein is to bind the Germans economically into a nation.

- a. Both A and R are true & R is the correct explanation of A.
- b. Both A and R are true, but R is not the correct explanation of A.
- c. A is true, but R is false.
- d. A is false, but R is true.

6. Briefly describe the process of Unification of:

- a. Germany
- b. Italy
- c. Britain

7. **GO THROUGH THE CHAPTER.**

CHAPTER – 2
(NATIONALISM IN INDIA)

I. MAP BASED QUESTIONS

1. On the outline political map of India, mark and locate the following.
 - a. Peasants Satyagrah
 - b. Movement of Indigo cultivators
 - c. Place where Indian National Congress session was held in 1927.
 - d. Ahmedabad – The cotton mill workers Satyagrah
 - e. Place where Jallianwala Tragedy took place.

GEOGRAPHY

CHAPTER - 1 and 2
RESOURCES AND DEVELOPMENT
FOREST AND WILDLIFE RESOURCES

I. PREPARE THE ANSWERS OF FOLLOWING QUESTIONS IN NOTEBOOK:

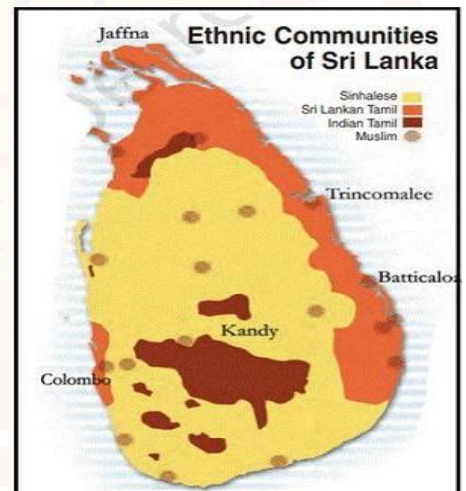
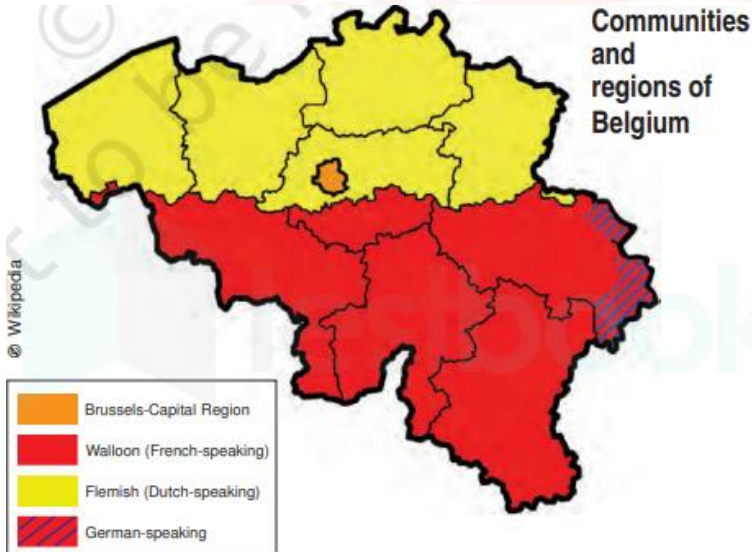
1. Discuss the salient features of Joint Forest Management Programme.
2. Why conservation projects are now focusing on biodiversity.
3. Highlights the major human activities responsible for land degradation.
Suggest some ideas to prevent it.

POLITICAL SCIENCE

CHAPTER – 1 (POWER SHARING)

I. PICTURE BASED QUESTIONS.

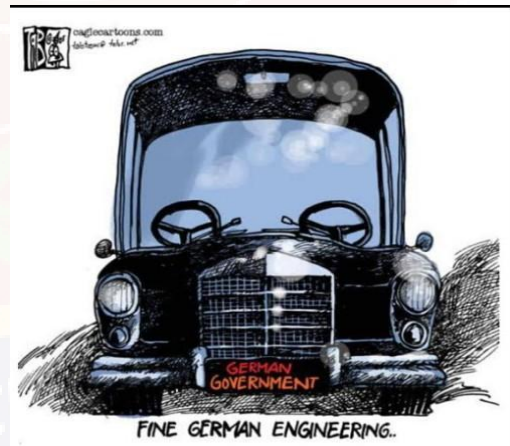
1. Study the map thoroughly and mention the languages that are dominantly spoken in Belgium.
2. What is the population composition in the capital Brussels?
3. Which language is mainly spoken in Flemish and Wallonia region respectively?



4. Where is the Shri Lankan Tamils concentrated in Sri Lanka?
5. What did political organization demanded from Sinhala's in 1980?
6. Which are the two major social groups in Sri Lanka?
7. What does the cartoon signify?
8. Why are the two Steering wheels?
9. What is the problem with it?
10. Explain Horizontal and Vertical forms of Power Sharing.

II. MAKE A CONCEPT MAP OF THE FOLLOWING POINT S GIVEN BELOW.

- a. Why power sharing is desirable.
- b. Forms of Power Sharing.
- c. Accommodation in Belgium.



ECONOMICS

SECTION – A

I. CASE STUDY QUESTIONS

Ravi's father earns ₹25,000 per month and works in a private company without job security. Mohan's mother earns ₹18,000 per month but gets free medical facilities, pension benefits, and fixed working hours.

1. Who is better developed according to you? Give reasons based on the concept of development.
2. Explain with examples why:
 - a. Different people have different developmental goals.
 - b. Income alone cannot be the criterion for development.
3. What may be development for one may not be development for another. Explain this statement with two suitable examples.
4. Prepare a comparison chart between:
 - a. Economic goals
 - b. Non-economic goals

SECTION – B

I. CREATIVE & ANALYTICAL QUESTIONS

1. Conduct a small survey of 5 families or neighbors and collect information about:
 - a. Monthly income
 - b. Education level
 - c. Health facilities
 - d. Drinking water availability
 - e. Internet/mobile access

Prepare:

- a. A table
- b. A short analysis
- c. Your conclusion on whose standard of living is better and why.
- d. Make a mind map/poster on the topic

NOTE: Students are instructed to complete the holiday homework in their classwork notebooks.

INFORMATION TECHNOLOGY

PORTFOLIO/ PRACTICAL FILE:

(Portfolio should contain printouts of the practical done using Writer and Calc with minimum 5 problems of each.)

- 5 Assignment from Libre Office Writer (Example : Create Style from Selection, Updating a Style, fill format mode, Table of Contents, Templates)
- 5 Assignment from Libre Office Calc (Example : Data Consolidation, Subtotal, Goal Seek, Solver, Scenario)

HEALTH CARE

PROJECT :-

Make a diet charts on :-

1. Diabetes patient
2. Anemia patient
3. Hypertension patients

PRACTICAL FILE :-

1. First Aid Box Preparation
2. Diet Chart for Different Patients
3. Roles of GDA
4. Common Diseases and Prevention
5. Balanced Diet Plan

PHARMACEUTICAL & BIOTECHNOLOGY

1. What all barriers of effective communication can we face in a classroom teaching? How can we overcome them?
2. How can a person manage stress?
3. How are the Indian Biotech startups reshaping the Indian industry?
4. Discuss the importance of consumer behavior in the Life Sciences Industry and how it influences marketing strategies.
5. How is effective communication applicable in Life science sector?

ARYA GYAN PRACHAR SAMITI