

BISHOP SCOTT
SENIOR SECONDARY GIRLS' SCHOOL

HOLIDAY HOMEWORK
2026-27

GRADE -X

✦ "Learning never stops, even on holidays!" ✦




SESSION: 2026-2027

DEAR PARENTS

Vacation is the time for children to explore their myriad interests and indulge in various activities which would lead to their all-round development.

Summer Vacation is the most awaited time for both parents and kids. We have tried to keep the homework simple, informative, interesting, and fun-filled.

Here are a few tips for parents to act as facilitators to help your child balance her eagerness in pursuing adventure, creativity, and self-expression with the development of responsibility:

- ***Make sure that you are spending quality time with your wards.***
- ***Teach them the importance of moral values in their lives.***
- ***Motivate them to read good books.***
- ***Encourage and help your child in shouldering responsibilities in household chores. It will aid them to be independent.***
- ***Keeping in view the prevailing situation, indulge yourself in various indoor games with them.***
- ***Encourage the child to wish 'Good Morning' and 'Good Night' to everybody.***
- ***Encourage the child to speak simple sentences in English.***
- ***Talk respectfully with the child and encourage your child to do the same.***
- ***Motivate the child to use polite words such as 'Please', 'Thank You', 'Sorry', 'May I...?'.
***
- ***Revise the work done in the classes.***

Please note: *Prepare a systematic timetable and follow it religiously from the very first day. Allow them to complete homework on their own under your guidance. Make these holidays memorable for the young learners by providing a nurtured and stimulated environment at home which is full of fun, excitement, and learning. Wish you all a safe and healthy holiday ahead!*

GRADE - X / HOLIDAY HOMEWORK /2026-27



HOLIDAY

Homework



SUBJECT WISE HOLIDAY HOMEWORK

GRADE X /SUBJECT: ENGLISH

The chapter ‘Glimpses of India’ from First Flight is about a journey through a culturally rich place highlighting local life, spirituality and art.

Similarly, Manipur and Tripura with vibrant handicrafts is a land of cultural richness and heritage.

Imagine you visit Manipur and Tripura with your best friend. Prepare a project describing the following :

1. Folk Tales
2. Festivals
3. Flora and Fauna
4. Traditional food and clothing

Your writing should include vivid imagery, literary devices (like similes, metaphors, personifications).

Assignment :

Multiple-choice Questions

1. What does Lencho’s reaction to receiving only 70 pesos instead of 100 primarily reveal about his character?
 - A) His practical understanding of money and accounts
 - B) His blind and unquestioning faith in God
 - C) His distrust of human beings despite evidence of their generosity
 - D) His gratitude toward the post office employees
2. The postmaster’s decision to send money to Lencho in the name of “God” can best be interpreted as an attempt to –
 - A) impress higher authorities in the postal department
 - B) correct Lencho’s belief that God is careless with money
 - C) preserve Lencho’s faith while quietly redefining the source of help
 - D) make the post office employees feel important
3. Which of the following best describes the central irony in the story?
 - A) Lencho’s letter actually reaches God, but it is returned due to a system error
 - B) The people whom Lencho calls “a bunch of crooks” are the very ones who help him
 - C) The hailstorm is a punishment from God for Lencho’s selfishness
 - D) The postmaster laughs at Lencho’s letter but later regrets it
4. Which theme is most strongly highlighted through the contrast between Lencho’s unwavering faith and the post-office workers’ collective effort?
 - A) The conflict between science and religion
 - B) The superiority of organized religion over human institutions

- C) The conflict between nature and human beings
- D) The coexistence of faith and human kindness in the face of suffering
5. The contrast between Lencho's unshakable faith in God and his complete distrust of humans mainly highlights which theme?
- A) The superiority of divine justice over human laws
- B) The limitations of blind faith when it ignores human goodness
- C) The inevitability of natural disasters despite prayers
- D) The conflict between rural and urban mentalities
6. The choice of the "hemlock tree" and the "crow" as central images in the poem mainly serves to –
- A) create a dark, gloomy atmosphere that contrasts with the final positive change in mood
- B) prove that the poet hates nature and birds
- C) suggest that only dangerous or poisonous symbols can capture the reader's attention
- D) show that the poet is superstitious about birds and trees
7. The irony in the poem lies primarily in the fact that –
- A) a crow, usually associated with bad omens, brings about a good emotional change
- B) the poet is in a forest where it is snowing, which is scientifically impossible
- C) the poet calls snow "dust," which is scientifically incorrect
- D) the poet is happy at the beginning and becomes sad at the end
8. The line "To say that for destruction ice / Is also great / And would suffice" is best understood as –
- A) a hopeful suggestion that cold climates can prevent the world's destruction
- B) a literal claim that the poet prefers ice-based disasters over fire-based ones
- C) an ironic warning that hatred and cold indifference are as destructive as intense desire
- D) a humorous statement implying that nothing can really destroy the world
9. In the line "Some say the world will end in fire, / Some say in ice," the main device that creates a sharp contrast between the two ideas is –
- A) metaphor B) antithesis C) alliteration D) onomatopoeia
10. The way fire and ice function in the poem—as both physical elements and as representations of desire and hatred—is best described as –
- A) personification B) symbolism C) simile D) euphemism
11. The title "A Triumph of Surgery" is best understood as –
- A) a literal description of a complex, life-saving operation performed by Dr. Herriot
- B) a humorous exaggeration because Tricki recovers through rest and diet, not actual surgery
- C) a sarcastic criticism of Mrs. Pumphrey's over-medication habits
- D) a serious warning about the dangers of modern veterinary science

12. The biggest irony in the story lies in the fact that –

- A) Mrs. Pumphrey, who spoils Tricki the most, is also the one who sends him to the vet
- B) Dr. Herriot, who is a veterinarian, behaves more like a human doctor dealing with a child
- C) the “triumph” is achieved by a simple, non-surgical regime, while everyone believes Tricki had major treatment
- D) Tricki enjoys rich food at home but refuses to eat it at the surgery

13. Mandela’s statement that the “oppressor is not free” is best interpreted as a reflection of the idea that –

- A) political freedom is less important than economic freedom
- B) mental slavery and guilt trap the oppressor just as much as physical oppression traps the oppressed
- C) oppressed people must forgive their oppressors to be free
- D) freedom is only possible through armed resistance

14. The unintended effect of decades of oppression and brutality in South Africa, according to Mandela, is that it –

- A) weakened the fighting spirit of the people
- B) created a generation of people crushed beyond recovery
- C) produced men and women of extraordinary courage, wisdom and generosity
- D) increased dependence on foreign aid and support

15. The promise that “the country shall never again experience the oppression of one by another” is significant because it shows that Mandela’s vision of freedom is –

- A) limited only to political independence
- B) centred on total economic equality only
- C) based on equality, dignity, and the liberation of both oppressor and oppressed
- D) directed mainly against the white minority

Critical Thinking Question

16. In “A Letter to God”, “Dust of Snow”, “Fire and Ice”, “A Triumph of Surgery”, and Nelson Mandela: Long Walk to Freedom, the writers show how human attitudes—whether faith, hatred, over-indulgence, or oppression—shape personal and social outcomes. Choose any two texts and critically examine how the author uses irony, contrast, or symbolism to question common beliefs (for example, blind faith in God, blind faith in power, or blind love for a pet). Do these texts finally present a hopeful or warning message about human nature? Support your answer with specific details from the chosen texts.

Creative Writing

17. Write a letter to the Municipal Chairman of New Town, North East District, Nalanda about the dilapidated condition of a public monument, requesting him to take urgent steps for the preservation of this valuable heritage. You are Anuj/Anju, 40, Civil Lines, New Town. (Words limit: 100-120)

18. The profile of beggars active in the capital city was released by the Institute of Human Development for Delhi Government. You were disturbed to find out that not only the number of beggars has increased enormously in the city recently but that a majority of them do not wish to be on the streets. Write a letter to the Editor of a National Daily, expressing concern about this problem. Give suggestions to curb this menace. You are Rajesh Kumar, a resident of 80, Tilak Lane, New Delhi. (Word limit: 100–120)

19. Fill in the blanks :

- (I) There _____ (be) many reasons why the plan failed, but none of them _____ (be) acceptable to the board.
- (II) The team, along with the coach and the manager, _____ (travel) to the venue tomorrow.
- (III) Everyone except the volunteers _____ (expect) to arrive by 9 a.m.
- (IV) The books on the shelf, which _____ (contain) rare manuscripts, _____ (be) kept under strict supervision.
- (V) The list of candidates _____ (be) being prepared, and each candidate _____ (have) to submit a photograph.

20. Rewrite the following paragraph by correcting all subject-verb agreement errors.

There is numerous challenges facing today's teenagers. Each of the expert believe that the situation require urgent attention. The family, along with the school, are responsible for their development. Fortunately, there are many solutions that seems promising.

कक्षा – दशम् / हिन्दी/ग्रीष्मावकाश गृह कार्य

• निर्देशानुसार उत्तर दें।

1. निम्नलिखित वाक्यों के भेद रचना के आधार पर लिखिए।

(10×1=10)

- (क) सूरदास जन्म से अंधे थे पर महान कवि थे।
- (ख) गोपियों ने कहा कि कृष्ण हमारे प्राण हैं।
- (ग) यशोदा ने कृष्ण को पालने में झुलाया।
- (घ) जब कैप्टन मरा तब हालदार साहब स्तब्ध रह गए।
- (ङ) नेता जी की मूर्ति पर चश्मा नहीं था इसलिए कैप्टन दुखी था।
- (च) भोलानाथ के पिता क्रोधी थे। (संयुक्त वाक्य में परिवर्तित करें)
- (छ) "हालदार साहब सोच में पड़ गए क्योंकि पानवाले ने बताया कि कैप्टन देश के लिए मर गया।" (प्रधान उपवाक्य और आश्रित उपवाक्य छांटकर लिखिए)
- (ज) उद्धव ज्ञानी थे लेकिन गोपियों का प्रेम नहीं समझे। (मिश्र वाक्य में परिवर्तित करें)
- (झ) 'सूरदास के पद' पाठ से एक सरल, संयुक्त और एक मिश्र वाक्य खुद बनाकर लिखिए।
- (ञ) कृष्ण के प्रेम में डूबी गोपियाँ उद्धव का ज्ञान नहीं सुनना चाहती थीं। (उद्देश्य और विधेय को छांटकर लिखिए)

• निम्नलिखित प्रश्नों के उत्तर लगभग 30-40 शब्दों में लिखें।

(6×2=12)

2. उद्धव ज्ञानी थे, पर प्रेम को नहीं समझ पाए। आज के समय में भी 'डिग्रीधारी' लोग भावनाओं को कम समझते हैं। क्या आप इस कथन से सहमत हैं? पद से जोड़कर उत्तर दें।
3. आजकल भी कई जगहों पर महापुरुषों की मूर्तियाँ टूटी-फूटी हालत में दिखती हैं। कैप्टन जैसा समर्पण अब क्यों नहीं दिखता? इसके पीछे के दो सामाजिक कारण पाठ से जोड़कर लिखें।
4. पाठ में 'चश्मा' सिर्फ चश्मा नहीं है। वह किस-किस बात का प्रतीक बनता है? 'नेता जी की मूर्ति पर चश्मा बदलना' किस सामाजिक सोच को दर्शाता है?
5. गोपियों ने उद्धव को 'बड़भागी' क्यों कहा जबकि वे उनका मजाक उड़ा रही थीं? इस कथन में निहित व्यंग्य और प्रेम को स्पष्ट कीजिए।
6. कैप्टन और आज के 'सोशल मीडिया इन्फ्लुएंसर' जो देशभक्ति दिखाते हैं - दोनों में क्या अंतर है, वर्णन करें।
7. कैप्टन की मृत्यु की खबर सुनकर हालदार साहब स्तब्ध क्यों रह गए? यह घटना पाठ के मुख्य भाव को कैसे उजागर करती है?

• निम्नलिखित प्रश्नों के उत्तर लगभग 50-60 शब्दों में दें।

(5×4=20)

8. "बच्चे का रोना माँ के लिए सबसे बड़ा दुख है" - भोलानाथ के मूसन तिवारी के यहाँ से रोते हुए लौटने वाली घटना से यह कैसे सिद्ध होता है? आज के संदर्भ में बताएँ।

9. भोलानाथ के पिता अनुशासनप्रिय थे और माँ ममतामयी। क्या बच्चों की परवरिश के लिए दोनों का होना जरूरी है? पाठ के आधार पर अपना मत दीजिए।
10. पाठ में 'आँचल' सिर्फ कपड़े का टुकड़ा नहीं है। वह किन-किन भावों का प्रतीक है? "माँ का आँचल दुनिया की सबसे सुरक्षित जगह है" - इस कथन को पाठ से सिद्ध करें।
11. गोपियों की भक्ति 'सगुण भक्ति' है और उद्धव की भक्ति 'निर्गुण भक्ति'। पद के आधार पर बताइए कि सूरदास किसे श्रेष्ठ मानते हैं और क्यों? उदाहरण सहित स्पष्ट करें।
12. बड़े हो चुके भोलानाथ बनकर अपनी माँ को एक भावनात्मक पत्र लगभग 80-100 शब्दों में लिखें जिसमें बचपन की यादों के लिए धन्यवाद हो। (1×5=5)
13. गोपी बनकर कृष्ण को एक शिकायती पत्र लिखिए कि उन्होंने निर्गुण भक्ति का संदेश भेजकर आपके साथ अन्याय क्यों किया है? (1×5=5)
- **केस/प्रकरण अध्ययन प्रश्न:** (2×4=8)
14. आपकी कक्षा में 15 अगस्त पर बड़ा कार्यक्रम होता है। छात्राएं बढ़-चढ़कर इसमें भाग लेती हैं। अगले दिन विद्यालय परिसर में तिरंगे कागज के टुकड़े पड़े रहते हैं। विद्यालय की सेविकाएं अकेले उन कचड़ों को साफ करती हैं।
(क) इस घटना की तुलना पाठ के किन दो पत्रों की मानसिकता से की जा सकती है, वर्णन करें। (2)
(ख) 'नेता जी का चश्मा' पाठ पढ़ने के बाद आप अगले 15 अगस्त पर क्या अलग करना चाहेंगी, वर्णन करें। (2)
15. एक गोपी ने हाथ में कमल का फूल पकड़ा है। वह उद्धव से कहती है - "देखो उद्धव, ये कमल पानी में रहकर भी पानी से अलग है अर्थात् इसके ऊपर पानी का प्रभाव नहीं पड़ता।"
(क) गोपियों ने कमल का उदाहरण देकर क्या स्पष्ट किया है, वर्णन करें। (2)
(ख) यदि आप गोपियों के स्थान पर होती तो आप अन्य कौन-कौन से उदाहरण देकर उद्धव को समझाने का प्रयास करती, किन्हीं दो का वर्णन करें। (2)

• **परियोजना कार्य:**

मिजोरम हमें बांस का महत्त्व सिखाता है, त्रिपुरा संतुलन और नृत्य सिखाता है, बिहार रंग और परंपरा सिखाता है। तीनों राज्य अलग हैं, पर भारत को एक बनाते हैं। 'एक भारत श्रेष्ठ भारत' की परंपरा का निर्वाह करते हुए बिहार, मिजोरम एवम् त्रिपुरा के प्रमुख कलाओं का सचित्र वर्णन करें एवम् उपलब्ध जानकारियों को विस्तारपूर्वक लिखें।

नोट:

1. दिए गए परियोजना कार्य को A4 साइज पेपर में पूरा करें।
2. मुख्य पृष्ठ(कवर पेज) आकर्षक, चित्रात्मक, रचनात्मक एवम् सुंदर ढंग से तैयार करें जिसमें आपका नाम, वर्ग, विभाग, अनुक्रमांक, विषय इत्यादि साफ एवम् स्पष्ट शब्दों में अंकित होने चाहिए।
3. परियोजना कार्य में स्वीकृति पत्र, प्रमाणपत्र, आभारोक्ति, विषय-सूची, प्रस्तावना आदि संलग्न होने चाहिए।
4. परियोजना कार्य विषय से संबंधित एवम् सार गर्भित होने चाहिए।

HHW Worksheet / GRADE – X / MATHEMATICS

• **General instructions:**

- Solve all questions in a separate notebook.
- Bring the completed work when school reopens.
- Marks will be awarded for neatness and accuracy.
- Use proper mathematical notations and steps.

1) Multiple Choice Questions:

- (i) The rationalizing factor of $\sqrt{3} - \sqrt{2}$ is
A. $\sqrt{2} - \sqrt{3}$ B. $\sqrt{3} - \sqrt{2}$ C. $\sqrt{3} + \sqrt{2}$ D. None
- (ii) The product of two irrational is always
A. Rational C. Real B. Irrational D. None
- (iii) Every fraction is
A. Rational B. Natural C. Whole D. None
- (iv) $\sqrt{441}$ is
A. Real B. Irrational C. Rational D. Integer

(v) What is the standard form of a quadratic polynomial?

- A. $ax + b$ C. $ax^2 + bx + c$ B. $ax^3 + bx^2 + c$ D. None

(vi) Zero of the polynomial $p(x) = 2x + 5$ is

- A. $-\frac{5}{2}$ B. $-\frac{2}{5}$ C. $\frac{5}{2}$ D. $\frac{2}{5}$

(vii) The degree of a zero polynomial is

- A. 0 B. 1 C. Not Defined D. 3

(viii) When $p(x) = x^3 - ax^2 + x$ is divided by $(x - a)$, the remainder $p(a) = ?$

- A. $-a$ B. $-x$ C. a D. x

Assertion-Reason Questions

- A. Both Assertion and Reason are true and Reason is the correct explanation of Assertion
B. Both Assertion and Reason are true but Reason is not the correct explanation of Assertion
C. Assertion is true but Reason is false
D. Assertion is false but Reason is true

(ix) **Assertion:** 5.465465546555..... is an irrational number

Reason: A number which is neither terminating nor repeating is called an irrational number

(x) **Assertion:** A polynomial $p(x) = x^3 + 5x - 6x^4 + 9x$ is a polynomial in standard form.

Reason: A polynomial in “x” is said to be in standard form if its variable “x” has powers, either in ascending order or in descending order.

Very Short Questions:

- (2) Write the zeros of the polynomial $f(x) = 6x^2 - 3$
(3) If 1 is the zero of the polynomial $ax^2 - 3(a - 1)x - 1$ then find the value of a .
(4) The HCF of two numbers is 27 and their LCM is 162. If one of the number is 81, find the other.
(5) Express 2431 as the product of its prime factors.
(6) If the product of the zeros of quadratic polynomial $x^2 - 4x + k$ is 3 then find the value of k .

Short Questions:

- (7) Find the zeros of the polynomial $x^2 + x - p(p + 1)$
(8) Find four rational numbers between $\frac{2}{7}$ and $\frac{6}{19}$
(9) Find the zeros of the polynomial $x^2 + 7x + 12$ and verify the relation between their roots and coefficients.
(10) Prove that $\sqrt{3} - \sqrt{2}$ is irrational, if it is given that $\sqrt{2}$ is irrational.
(11) Without actual division show that the rational number $\frac{17}{320}$ will give a terminating decimal.

Long Questions:

- (12) If α and β are the zeros of the polynomial $f(x) = 5x^2 - 7x + 1$, find $\frac{1}{\alpha} + \frac{1}{\beta}$
(13) Prove that $\sqrt{5}$ is an irrational number.

Case Study Questions

14. In January 2021, the vaccination drive for COVID -19 started in 7 states of a country. More than 60% of the people were vaccinated in 4 states out of 7 states, In one of the state vaccination drive has not been started due to flood although vaccine dose was supplied to that state in advance. In February 2021, 4 more states were included in this drive and 2 states have got remarkable response from the people and more than 80% of the population got vaccinated there.

Using the above information answer the following questions:

- (a) In January 2021, more than 60% of people were vaccinated in 4 states out of 7 states. Find the decimal representation of $\frac{4}{7}$?
- (b) In 2 states out of 11 states, more than 80% of people participated in vaccination drive in two months. Find the decimal form of $\frac{2}{11}$
- (c) The fraction for state where vaccination not started in January 2021 is $\frac{1}{7}$. Find its decimal form.
- (d) Find the decimal form of $\frac{6}{7}$

15. On one day, principal of a particular school visited the classroom. Class teacher was teaching the concept of polynomial to students. He was very much impressed by her way of teaching. To check, whether the students also understand the concept taught by her or not, he asked various questions to students. Some of them are given below.

(a) Which of the following is not a Polynomial?

- (i) $4x^2 + 2x - 1$ (ii) $y - \frac{3}{y}$ (iii) $x^3 - 1$ (iv) $y^2 + 5y + 1$

(b) The polynomial of the type $ax^3 + bx^2 + cx$, where $a \neq 0$ is called _____ (on the basis of degree of polynomial).

(c) Find the value of k, if $(x - 1)$ is a factor of $4x^3 + 3x^2 - 4x + k$.

(d) What is the maximum number of zeroes of the polynomial $x^5 + 4x^3 + 2$?

ART INTEGRATED PROJECT:

Make a project file on the topic: “Mathematical Patterns in the Cultural Art and Architecture of Tripura and Mizoram” with the following objective:

- To explore the cultural heritage of Tripura and Mizoram through art forms and architecture.
- To understand the application of polynomials in pattern formation.
- To use linear equations in two variables to represent real-life situations.
- To apply real numbers in measurement and design analysis.
- To develop analytical and creative thinking skills.

HHW/ X / INFORMATION TECHNOLOGY (402)

1. Answer the following questions:

- a) What is a database?
b) Define DBMS.
c) Write any four advantages of DBMS.
d) What is LibreOffice Base?
e) What is the difference between data and information?
f) **Define the following:**

Table

Record

Field

Primary Key

2. Differentiate between:

- (i) Flat File System and Database Management System
- (ii) Primary Key and Foreign Key

3. Case Study Based question:

An electronic gadget shop keeps records of its electronic products, such as mobile phones, laptops, etc., in a table named Gadgets, which has columns for **ItemID (Primary key), ItemType (mobile, iPad, Laptop), Size, Quantity, Price and Supplier.**

It also stores the **billing data in another table named Bill**, which has columns as **BillNo (Primary key), ItemID, Price, CustName and CustPhoneNo.**

Based on the above, answer the following questions:

- a. Name any two columns of the Gadgets table where duplicate values are allowed.
- b. Assume that the table Gadgets already contains a product having value of ItemID as 1001. Can we enter a new record with value of ItemID as 1001 ? Justify.
- c. Is it possible to store photos of the products in a new column of the table, Gadgets ? If yes, then suggest a suitable data type to store images.
- d. Briefly explain the principle of referential integrity with respect to the tables, Gadgets and Bill.

HHW / GRADE- X / SCIENCE

Art integrated project

Biology :

“Nutrition and Food Habits in Mizoram and Tripura

Chemistry :

“Fermentation Processes in Foods of Mizoram and Tripura”

Physics:

“Optical Phenomena in Hills and Forests of Mizoram and Tripura”

Project Structure:(For each - Bio, Chem, Phy)

- Title Page (Project Name, Student Name, Roll No., School Name)
- Certificate & Acknowledgement
- Introduction (Background & relevance to the state)
- Objective
- Methodology (data collection methods)
- Observations/Data Analysis (charts/graphs/findings)
- Conclusion
- Bibliography

HHW

(I) Write these experiments in Science experiment notebook:

1. Preparing a temporary mount of a leaf peel to show stomata. 2. Experimentally show that carbon dioxide is given out during respiration.

(II) Complete all the intext and chapter end ques/ans of Life processes in Bio notebook.

Holiday Homework /Class 10(Chemistry)

Chapter 1 : -Chemical Reactions and Equations

Objective Type Questions :-

1. What type of chemical reaction is involved in rusting of iron?
2. Which gas is evolved when zinc reacts with dilute hydrochloric acid?
3. What is a combination reaction? Give one example.
4. Identify the type of reaction:
 $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$

- Which substance is oxidized and which is reduced in the reaction:
$$\text{Zn} + \text{CuSO}_4 \rightarrow \text{ZnSO}_4 + \text{Cu}$$
- What do you observe when silver chloride is kept in sunlight?
- Write a balanced chemical equation for the reaction of lead nitrate and potassium iodide.
- What is a displacement reaction? Give an example.
- Define oxidation and reduction.
- What is meant by a balanced chemical equation?

Short Answer Type Questions :-

- Differentiate between a physical change and a chemical change with examples.
- What are the characteristics of a chemical reaction?
- Why is respiration considered an exothermic reaction?
- Balance the following equation:
$$\text{Fe} + \text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + \text{H}_2$$
- Why should a magnesium ribbon be cleaned before burning in air?
- Write the chemical equation for the reaction of sodium with water.
- Explain the term "precipitation reaction" with an example.
- What is the role of heat in thermal decomposition reactions?
- Why are redox reactions called so?
- Name two examples of oxidation reactions that are part of everyday life.

Long Answer / Application-Based Questions :-

- Balance and classify the following chemical equation:
$$\text{NaOH} + \text{HCl} \rightarrow \text{NaCl} + \text{H}_2\text{O}$$
- Give an example each for:
 - Combination reaction
 - Decomposition reaction
 - Displacement reaction
 - Double displacement reaction
- Write the balanced chemical equations for the following reactions:
 - Zinc + Sulphuric acid \rightarrow Zinc sulphate + Hydrogen
 - Calcium carbonate \rightarrow Calcium oxide + Carbon dioxide
- A student added a few pieces of aluminium into copper sulphate solution. What change will he observe? Write the chemical equation for this reaction.
- Explain why food turns rancid. How can it be prevented?
- What is corrosion? Write one method to prevent it.
- State the difference between endothermic and exothermic reactions with one example each.

28. What are the types of chemical reactions? Give one example of each.
29. Identify the oxidising and reducing agents in the reaction:
- $$2\text{Mg} + \text{O}_2 \rightarrow 2\text{MgO}$$
30. Explain the importance of balancing a chemical equation with an example.

EXPERIMENT

Write this experiment in experiment note book :-

observing the action of Zn, Fe, Cu and Al metals on the following salts solutions.

- (a) ZnSO_4 (aq) (b) FeSO_4 (aq) (c) CuSO_4 (aq) (d) $\text{Al}_2(\text{SO}_4)_3$ (aq)

Arrange Zn, Fe, Cu and Al metals in decreasing order of reactivity based on the above results.

SUMMER HOLIDAY HOMEWORK/ GRADE -10 (2026) /SOCIAL SCIENCE SUBJECT-HISTORY

- i. Choose the correct nationality of the artist Frederic Sorrieu who visualized in his painting a society made up of Democratic and Social Republic.
- (a) German (b) Swiss (c) French (d) America
- ii. 'Nationalism', which emerged as a force in the late 19th century, means
- (a) strong devotion for one's own country and its history and culture.
(b) strong devotion for one's own country without appreciation for other nations.
(c) strong love for one's own country and hatred for others.
(d) equally strong devotion for all the countries of the world.
- iii. Pick out the correct definition to define the term 'Plebiscite'.
- (a) Plebiscite is a direct vote by which only the female members of a region are asked to accept or reject a proposal.
(b) Plebiscite is a direct vote by the female members of a matriarchal system to accept or reject a proposal.
(c) Plebiscite is a direct vote by only a chosen few from the total population of a particular region to accept or reject a proposal.
(d) Plebiscite is a direct vote by which all the citizens of a region are asked to accept or reject a proposal
- iv. Ernst Renan believed that the existence of nations is a necessity because
- (a) it ensures protection to all inhabitants.
(b) it ensures liberty to all inhabitant citizens.
(c) it ensures Parliamentary form of government to its inhabitants.
(d) it ensures jobs and good health to all its inhabitants.
- v. Which of the following countries did not attend the Congress of Vienna?
- (a) Britain (b) Russia (c) Prussia (d) Switzerland
- vi. The first great revolution which gave the clear idea of nationalism with its core words: 'Liberty, Equality and Fraternity' was:
- (a) The Russian Revolution (b) The French Revolution
(c) The American Revolution (d) India's First War of Independence
- vii. Which of the following statements about the 'French Revolution' are correct?
- (i) After the end of the French Revolution it was proclaimed that it was the people who would henceforth constitute the nation and shape its destiny.
(ii) France will have a constitutional monarchy and the new republic will be headed by a member of the royal family.
(iii) A centralized administrative system will be put in place to formulate uniform laws for all citizens.
(iv) Imposition of internal custom duties and dues will continue to exist in France.
- (a) (ii) and (iii) (b) (ii) and (iv) (c) (i) and (iii) (d) (iii) and (ii)

- Q2. Why did liberal nationalism stand for freedom and equality?
- Q3. How had Napoleonic code exported to the region under French Control? Explain with examples
- Q4. Name the event that mobilized nationalist feelings among the educated elite across Europe in 1830-1848?
- Q5. What was the main aim of the revolutionaries of Europe during the years following 1815?
- Q6. Who remarked "When France sneezes, the rest of Europe catches cold"?
- Q7. Analyse the measures and practices introduced by the French revolutionaries to create a sense of collective identity amongst the French people.
- Q8. What was the strong demand of the emerging middle classes in Europe during 19th century?

POLITICAL SCIENCE

1. What is the division of power between higher and lower levels
2. Why is power sharing essential for democracy?
3. Write the majoritarian measures of Sinhalese government .
4. Describe the ethnic composition of Belgium.
5. How did the Sri Lankan Tamils struggle for their demands?
6. Explain two reasons as to why power sharing is desirable?
7. Make a flow chart of different forms of Power Sharing.

GEOGRAPHY

1. Explain the classification of resources on the basis of origin, exhaustibility, ownership, and status of development with suitable examples.
2. What is resource planning? Discuss the steps involved in resource planning in India. Why is it essential for sustainable development?
3. Describe the various types of soils found in India. Highlight their characteristics and suitability for crops.
4. Explain the causes of land degradation in India. Suggest measures to solve this problem.
5. What is sustainable development? Explain its importance in the present scenario with examples.
6. Discuss the role of humans as an important resource. How can human beings conserve and develop resources effectively?
7. Explain the classification of land use in India. What are the factors determining land use pattern?
8. Describe the characteristics, distribution, and uses of alluvial soil in India. Why is it considered highly fertile?
9. Explain soil erosion and its types. What are the methods to prevent soil erosion?
10. Discuss the importance of conservation of resources. What steps should be taken at individual and government levels for resource conservation?
11. On an outline map of India, locate all six types of soil.

ECONOMICS

1. What do you mean by development? Explain with examples.
2. Why different people have different goals. Explain with examples.
3. What do you mean by National Development? Explain.
4. Name the basic criterion that is used by the World Bank for comparison of countries the basis of development.
5. What should be the developmental goal of a rural landless labourer?
6. Why have scientists been warning that development is not sustainable?

PORTFOLIO-

1. **Art integrated project**
 - A. Write a short report on how unity in diversity is reflected in Mizoram and Tripura.
 - B. Trace the historical background of Mizoram and Tripura before they became part of India.
 - C. Prepare a map showing the location, rivers, and major cities of both states.
 - D. Compare the economic activities of Mizoram and Tripura (agriculture, handicrafts, industries).

2.

Project -

Consumer Awareness

OR

Social Issues

OR

Sustainable Development

NOTE :

1. Collaboration is required for making project
2. Use analytical skills
3. Evaluate the situations during disasters.
4. Synthesize the information
5. Find creative solutions
6. Strategies the order of solutions
7. Use right communication skills

Project Structure:

1. Cover Page
2. Acknowledgement
3. Index
4. Introduction to the Chapter
5. Conclusion
6. Bibliography

Note- The Project should be made in the form of activity file, with relevant pictures.

