**Holiday Homework (2024-25)**

**Class X**

**MATHEMATICS**

1.FOLLOWING FIVE LAB MANUAL ACTIVITIES (CREATIVE WORK) ON PRACTICAL NOTEBOOK (ONE SIDED BLANK). ACTIVITES NUMBERS AND TOPICS ARE MENTIONED BELOW.

ACTIVITY NO 2 : TO VERIFY THE CONDITION FOR CONSISTENCY/INCONSISTENCY FOR A PAIR OF LINEAR EQUATIONS IN TWO VARIABLES BY GRAPHICAL METHOD.

ACTIVITY NO 4 : TO VERIFY BASIC PROPORTIONALITY THEOREM(THALES THEOREM)

ACTIVITY NO 9 : TO OBTAIN THE SOLUTION OF A QUADRATIC EQUATION X2 + 4X + 3=0 BY COMPLETING THE SQUARE GEOMETRICALLY.

ACTIVITY NO 10 :TO IDENTIFY ARITHMETIC PROGRESSIONS IN SOME GIVEN LISTS OF NUMBERS (PATTERNS)

ACTIVITY NO 11 : TO FIND THE SUM OF FIRST N NATURAL NUMBERS.

2.ALL EXAMPLES OF CHAP 1(REAL NUMBERS), CHAP 2(POLYNOMIAL), CHAP 3(LINEAR EQUATION IN TWO VARIABLES), CHAP 4(QUADRATIC EQUATION) AND CHAP 5(ARITHMETIC PROGRESSION) IN SEPERATE HOLIDAY HOMEWORK REGISTER OF 150 PAGES.

3.ART INTEGRATED PROJECT ( 5 TO 10 PAGES) IN A MILKY FILE

STATES ARE ARUNACHAL PRADESH AND UTTAR PRADESH

BASE WILL BE POPULATION(GENDER ,CASTE AGE WISE ),LITERACY,RURAL AREA,URBAN AREA,FOOD,AGRICULTURAL PRODUCT QUANTITY,LAND ,HILL AREA,INCOME,GDP.

4.REVISE ALL THE LESSON TAUGHT (CHAP 1 TO CHAP 5)

**कक्षा: X 2024 25**

**ग्रीष्मकालीन अवकाश कार्य**

1- परियोजना कार्य

अरुणाचल प्रदेश और उत्तर प्रदेश दोनों की संस्कृतियों का तुलनात्मक वर्णन दिए गए विषयों के आधार पर करें-

(क) वहाँ के मुख्य चार कवि और उनकी रचनाओं के नाम तथा उनके विषय में लिखें।

(ख) खानपान और वेशभूषा

( ग) लोक नृत्य ,धर्म और संस्कृति का तुलनात्मक वर्णन करते हुए चित्र के साथ व्याकरण की उत्तर पुस्तिका में कार्य करें।

2 - लघु कथा लेखन -

( क) "मजहब नहीं सीखाता, आपस में बैर रखना।" शीर्षक पर 100 शब्दों में लघु कथा लिखिए।

( ख) "जहाँ चाह वहाँ राह " शीर्षक पर लगभग 100 शब्दों में लघु कथा लिखिए।

3 - कक्षा में कराया गया सभी कार्य याद करें।

4 - प्रत्येक दिन हिंदी में स्वच्छ व सुन्दर लेख की पाँच लाईन व्याकरण की उत्तर पुस्तिका में दिनांक डालकर लिखें।

English

1. Art integration

Arunachal Pradesh and Uttar Pradesh

Title: Discover Arunachal Pradesh and Uttar Pradesh

Instructions:

- Research and gather information on the history, culture, tourist attractions, and natural beauty of the respective places.

- Prepare the project with the following sections:

- Introduction

- History

- Places to Visit

- Cultural Heritage

- Natural Wonders

- Food and Cuisine

- Include images, maps, and interesting facts to make the project visually appealing and informative.

Remember to be creative

1.Complete this project in scrap book.

2. Solve the worksheet sent in your note book.

**BIOLOGY**

A. Draw neat and labeled diagrams given in chapter Control and Coordination. The diagram to be drawn in class notebook with pencil only.

B. Prepare all the in text and exercise questions of chapter Life Processes for class test.

C. Carry out the activities explained in class from chapter Life Processes and get ready for viva.

D. Revise all the topics of Chapter Life Processes.

E. Art Integrated Project: Prepare a scrap book including the photographs with short description of wild Animals and Plants found in Uttar Pradesh and Arunachal Pradesh.

(Front page, Index page, Introduction, Wild Animals of Uttar Pradesh, Wild Plants of Uttar Pradesh, Wild Animals of Arunachal Pradesh, Wild Plants of Arunachal Pradesh)

Social Science

Class X 2024-25

Holiday homework Social Science

1. Revision of all the taught chapters

2. ⁠Map Work:-

On political map of India

Geography: Types of soil, Dams, Indian States and their capitals

History: Indian National Congress Session

Nagpur, Chennai, Kolkata

Champaran, Kheda, Ahmedabad, Amritsar, Chauri -Chaura and Dandi

Project:

1. Agriculture: Types of farming, Various crops

2. Manufacturing Industries: Importance, Types of Industries

3. Globalisation: Meaning, factors enabled globalisation, Impact on India

4. Non Cooperation Movement: meaning, Stages, Participation

5. Civil Disobedience Movement: Meaning, Different from non- cooperation movement, Participation

6. Land Use, Soil Types in India

From above topics only one topic will be selected for project.

Every project will be accompanied with comparison of UP and Arunachal Pradesh with following points:

1. Locations

2. ⁠Population

3. ⁠Dresses

4. ⁠Religions

5. ⁠Cuisines

6. ⁠Languages

7. ⁠State Animal and Birrd

8. ⁠Political Parties

9. ⁠Number of MLAs and MPsMATHEMATICS

1.FOLLOWING FIVE LAB MANUAL ACTIVITIES (CREATIVE WORK) ON PRACTICAL NOTEBOOK (ONE SIDED BLANK). ACTIVITES NUMBERS AND TOPICS ARE MENTIONED BELOW.

ACTIVITY NO 2 : TO VERIFY THE CONDITION FOR CONSISTENCY/INCONSISTENCY FOR A PAIR OF LINEAR EQUATIONS IN TWO VARIABLES BY GRAPHICAL METHOD.

ACTIVITY NO 4 : TO VERIFY BASIC PROPORTIONALITY THEOREM(THALES THEOREM)

ACTIVITY NO 9 : TO OBTAIN THE SOLUTION OF A QUADRATIC EQUATION X2 + 4X + 3=0 BY COMPLETING THE SQUARE GEOMETRICALLY.

ACTIVITY NO 10 :TO IDENTIFY ARITHMETIC PROGRESSIONS IN SOME GIVEN LISTS OF NUMBERS (PATTERNS)

ACTIVITY NO 11 : TO FIND THE SUM OF FIRST N NATURAL NUMBERS.

2.ALL EXAMPLES OF CHAP 1(REAL NUMBERS), CHAP 2(POLYNOMIAL), CHAP 3(LINEAR EQUATION IN TWO VARIABLES), CHAP 4(QUADRATIC EQUATION) AND CHAP 5(ARITHMETIC PROGRESSION) IN SEPERATE HOLIDAY HOMEWORK REGISTER OF 150 PAGES.

3.ART INTEGRATED PROJECT ( 5 TO 10 PAGES) IN A MILKY FILE

STATES ARE ARUNACHAL PRADESH AND UTTAR PRADESH

BASE WILL BE POPULATION(GENDER ,CASTE AGE WISE ),LITERACY,RURAL AREA,URBAN AREA,FOOD,AGRICULTURAL PRODUCT QUANTITY,LAND ,HILL AREA,INCOME,GDP.

4.REVISE ALL THE LESSON TAUGHT (CHAP 1 TO CHAP 5)

कक्षा: X 2024 25

1- परियोजना कार्य

अरुणाचल प्रदेश और उत्तर प्रदेश दोनों की संस्कृतियों का तुलनात्मक वर्णन दिए गए विषयों के आधार पर करें-

(क) वहाँ के मुख्य चार कवि और उनकी रचनाओं के नाम तथा उनके विषय में लिखें।

(ख) खानपान और वेशभूषा

( ग) लोक नृत्य ,धर्म और संस्कृति का तुलनात्मक वर्णन करते हुए चित्र के साथ व्याकरण की उत्तर पुस्तिका में कार्य करें।

2 - लघु कथा लेखन -

( क) "मजहब नहीं सीखाता, आपस में बैर रखना।" शीर्षक पर 100 शब्दों में लघु कथा लिखिए।

( ख) "जहाँ चाह वहाँ राह " शीर्षक पर लगभग 100 शब्दों में लघु कथा लिखिए।

3 - कक्षा में कराया गया सभी कार्य याद करें।

4 - प्रत्येक दिन हिंदी में स्वच्छ व सुन्दर लेख की पाँच लाईन व्याकरण की उत्तर पुस्तिका में दिनांक डालकर लिखें।

English

1. Art integration

Arunachal Pradesh and Uttar Pradesh

Title: Discover Arunachal Pradesh and Uttar Pradesh

Instructions:

- Research and gather information on the history, culture, tourist attractions, and natural beauty of the respective places.

- Prepare the project with the following sections:

- Introduction

- History

- Places to Visit

- Cultural Heritage

- Natural Wonders

- Food and Cuisine

- Include images, maps, and interesting facts to make the project visually appealing and informative.

Remember to be creative

1.Complete this project in scrap book.

2. Solve the worksheet sent in your note book.

**BIOLOGY**

A. Draw neat and labeled diagrams given in chapter Control and Coordination. The diagram to be drawn in class notebook with pencil only.

B. Prepare all the in text and exercise questions of chapter Life Processes for class test.

C. Carry out the activities explained in class from chapter Life Processes and get ready for viva.

D. Revise all the topics of Chapter Life Processes.

E. Art Integrated Project: Prepare a scrap book including the photographs with short description of wild Animals and Plants found in Uttar Pradesh and Arunachal Pradesh.

(Front page, Index page, Introduction, Wild Animals of Uttar Pradesh, Wild Plants of Uttar Pradesh, Wild Animals of Arunachal Pradesh, Wild Plants of Arunachal Pradesh)

**Social Science**

Holiday homework Social Science

1. Revision of all the taught chapters

2. ⁠Map Work:-

On political map of India

Geography: Types of soil, Dams, Indian States and their capitals

History: Indian National Congress Session

Nagpur, Chennai, Kolkata

Champaran, Kheda, Ahmedabad, Amritsar, Chauri -Chaura and Dandi

Project:

1. Agriculture: Types of farming, Various crops

2. Manufacturing Industries: Importance, Types of Industries

3. Globalisation: Meaning, factors enabled globalisation, Impact on India

4. Non Cooperation Movement: meaning, Stages, Participation

5. Civil Disobedience Movement: Meaning, Different from non- cooperation movement, Participation

6. Land Use, Soil Types in India

From above topics only one topic will be selected for project.

Every project will be accompanied with comparison of UP and Arunachal Pradesh with following points:

1. Locations

2. ⁠Population

3. ⁠Dresses

4. ⁠Religions

5. ⁠Cuisines

6. ⁠Languages

7. ⁠State Animal and Birrd

8. ⁠Political Parties

9. ⁠Number of MLAs and MPs

**CHEMISTRY**

A. Write all balanced chemical equations of Chapter 1 and 2. The equations to be written in class notebook.

B. Write all activities of chemistry in Practical record.

C. By making use of natural indicators at home (like turmeric or onion) test the nature of any five substances and classify them as acidic or basic. Record your observations in class notebook.

D. Revise all the topics of Chapter 1 and 2.