HOLIDAY HOMEWORK

Session 2025-26

Class: 10th   **Sub : Social Science**

1. Comparative study on land, climate, animals, cultural life of Gujarat with that of Jammu and Kashmir

2. Make a collage on a chart paper : depicting dance, dress, food, handicarafts, heritage of both J&K as well as Gujarat & write few lines for all.

3. Compare Solar energy & Tidal Energy of Gujarat with hydroelectric power generation of Jammu & Kashmir as sources of energy.

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Class: 10th   **Sub : Artificial Intelligence**

1. WAP in python to find addition of two numbers.
2. WAP in python to find area of rectangle.
3. WAP in python to find the area and circumference of circle.
4. WAP in python to find area of square.
5. WAP to find total and percentage of students for five subjects.

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Class: 10th   **Sub : English**

PROJECT BASED

1. Prepare a brochure on historical monuments of Gujarat and J&K (any 4) (Roll no 1-20)

2. Prepare a scrap book on comparative study of literary persons from Gujarat and J&K (5) (21-41)

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Class: 10th   **Sub : Science**

1. **Physics**

    (i)   To write the experiment to trace the path of ray of light passing through rectangular glass slab for different angles of incidence.

    (ii)   To make a chart of ray diagrams of image formation by:

    - Concave Mirror
    - Convex lens

    Investigatory project

    Topic: "A Day in the Life of Earth"

    Create a short comic that shows Earth's perspective on climate change in Jammu and Kashmir and Gujrat. (A4 size sheets)

2. **Chemistry**

    (i)   Write the experiments in a practical file to study the properties of an acid and a base by its reactions with

    a)   Zinc metal

    b)   Sodium carbonate

    c)   Litmus solution

    (ii)   Prepare the infographics (handmade) on characteristics of chemical reaction in A4 size sheet.

    Project.

    Read the activities given in Ch-1 NCERT and prepare a 4 minutes video on any one activity based on the activities given in the book or any other innovative activity

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OR

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    Read the topic "How to prepare a natural indicator?" Then prepare the indicator, make the video of checking acidic and basic substances using that indicator

3. **Biology**

    (i)   Draw all important diagrams of the chapter life processes

    (ii)   Draw the mind map of excretion in human being on A4 size sheet

    Project work

Do comparative study of floura and fauna of Jammu and Kashmir and Gujrat.

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कक्षा : दसवीं   विषय : हिन्दी

ग्रीष्मावकाश कार्य

संपूर्ण कार्य A4 Sheet पर करें और फाइल तैयार करें।

1. जम्मू कश्मीर और गुजरात के पर्यटन स्थलों का तुलनात्मक वर्णन चित्रों सहित करें। (कोई पाँच)

2. कश्मीर और गुजरात की लोक संस्कृति (लोक नाटक, लोकगीत, लोक नृत्य) का वर्णन चित्रों सहित करें (कोई दो-दो)

3. जम्मू कश्मीर और गुजरात की पारंपरिक पोशाक का तुलनात्मक वर्णन चित्र सहित करें (कोई पाँच)

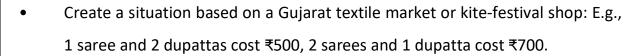4. चलो गुजरात की ओर वृत्तचित्र (Documentary Film Video) तैयार करें।

HOLIDAY HOMEWORK
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Class: 10th   Sub : Mathematics

1. Prepare a Mind Map/ Concept Map/ Summary of first four chapters including formulas and illustrate examples from Mathematics Text Book. Combine art with Mathematics by creating projects like symmetry in art or geometric patterns.

   Ch-1 – Real Numbers

   Ch-2- Polynomials

   Ch-3 – Pair of linear equations in two variables

   Ch-4 – Quadratic Equations

Objective: Apply linear equations to real-life contexts in Gujarat.

Activity:

- Create a situation based on a Gujarat textile market or kite-festival shop: E.g., 1 saree and 2 dupattas cost ₹500, 2 sarees and 1 dupatta cost ₹700.

- Frame linear equations and solve them.

  Art Integration:

- Create a comic strip or poster showing two shopkeepers solving their problem using linear equations

Note: Students are required to complete their work on A4 Size Sheets and Compile it in a file.

Holidays Homework

Class: 10th

Sub: Urdu

Q1: Name five traditional dresses of J&K and Gujarat.Explain briefly.

سوال نمبر۱:۔ جموں و کشمیر اور گجرات کے پانچ روایتی لباسوں کی تصویریں چپکا کر ان کے بارے میں مختصر طور پر وضاحت سے لکھیں۔

Q2:Paste the pictures of traditional musical instruments of jammu &Kashmir and Gujarat.Explain briefly.

سوال نمبر۲:۔ جموں و کشمیر اور گجرات کے روایتی آلات موسیقی کی تصویریں چپکا کر ان کے بارے میں وضاحت کریں۔

Q3: Paste the pictures of topographic conditions,famous fruits, famous food receipe of J& K and Gujarat.

سوال نمبر۳:۔ جموں و کشمیر اور گجرات کا تفصیلی جغرافیائی مطالعہ، مشہور پھل اور مشہور کھانے کی ترکیبوں کی تصویریں چپکا کر اُن کی وضاحت کریں۔