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BCM SCHOOL

SENIOR SECONDARY

BASANT
Avenue



Holiday Homework

CLASS - VII

SESSION 2024-2025

**ART INTEGRATED
INTER-DISCIPLINARY
EK BHARAT SHRESHTHA BHARAT
PROJECT**

TOPIC: Rise up for Peace



INSTRUCTIONS:

- All the activities done as a part of holidays homework would be evaluated for internal assessment.
- Be creative in the presentation of your holiday's homework.
- Label your project with your Name, Class, Section and Roll Number.
- Kindly ensure timely submission.

1. The most visible representatives of the state, the police play a key role in ensuring peace and development by preventing, detecting and investigating crime, protecting persons and property, and maintaining public order and safety. Let us explore about police force of **Punjab and Odisha** and compute some facts of two states.

	PUNJAB	ODISHA
Number of employees in police force		
Number of Male employees		
Number of female employees		

On the basis of above information, answer the following questions on A4 size sheet:

1. Find the ratio of number of police employees in Punjab to number of police employees in Odisha.
 2. Find the ratio of male employees in Punjab to the number of male employees in Odisha.
 3. Find the percentage of female employees in Punjab.
 4. Find the percentage of female employees in Odisha.
 5. Compare the answers obtained in Q3 and Q4 in Punjab and Odisha.
 6. Does ratio have a unit?
 7. Is ratio commutative? Justify your answers with the help of an example.
2. Make a video by using any video editor of minimum 7- 10 minutes duration which includes:
 - Write Slogans (English, Hindi, Punjabi and Odia) used during freedom Movement from Punjab and Odisha which promoted peace.
 - Present a Forest scene blending elements from both Odisha and Punjab, such as the lush greenery of the Sundarbans in Odisha and the dense forests of Shivalik Hills in Punjab.
 - Also add the characteristics/ features of the above-mentioned forests.

Research Based Project

Social Science

Visit different types of markets like weekly market, market in your neighborhood, shopping complexes, malls etc. to buy the same product. Compare its cost and try to find out reason behind the difference in cost. Present your observations in tabular form.

Science

Topic: Electricity consumption

- Note down for how many hours electricity is consumed by each appliance daily that is AC, fans, TV, lights, washing machine, refrigerator. Calculate the average and percentage of hours consumed by each appliance for 20 days.
- Represent it on pie chart.
- Write the suggestive measures to avoid wastage of electricity.

Mathematics

Collect the temperature of any five hottest and five coldest places of India on A4 Size colored sheet. Fill the information in the following table:

Sr No	Place	Temperature (in °C)	Temperature (in °F)
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Based on the above information, answer the following questions:

1. Convert the temperature collected from °C into °F.
2. Represent the temperature in degree Celsius on Number Line.
3. Plot the name of the city against its temperature.
4. Which is the coolest place?
5. Which is the hottest place?
6. Write the names of the places where temperatures are above 10°C.
7. Find average temperature of all places.
8. Arrange temperatures of ten places in Descending order.

VALUE INTEGRATION: 'जीवन पथ के स्तंभ' पत्रिका को पढ़कर उत्तर पुस्तिका में पहले पेज पर दिए गए प्रश्नों को ध्यानपूर्वक पढ़ें और उनके उत्तर कम से कम 150 शब्दों में लिखें। पांच बार सत्संकल्प भी लिखें।

