

# SHRI GURU TEG BAHADUR SR.SEC.SCHOOL



## HOLIDAY HOMEWORK CLASS-X (2025 - 26)

Holiday homework is an attempt to channelize the creative energy of the children. Doing it in the right-spirit with enthusiasm will make it a great learning experience.

Make sure that your work is neat, presentable, and original and conforms to the guidelines.

# PREFACE

- *Summer Vacation is the best and the most fruitful time for learning and nurturing creativity. Keeping this objective in mind we have planned diverse and exciting activities that will enhance your knowledge and boost your creativity Knowledge is Power". Therefore read lots and lots of books to cultivate the reading habit and develop your vocabulary, language skills,*
- *increase your attention Span and improve your spellings.*
- *"A healthy mind lives in a healthy body". So play the sport of your choice INDOORS. It will help to instill discipline, generate sporting spirits and channelize your energies constructively.*
- *get up early in the morning and see the rising sun. Do indoor exercises / yoga and stay healthy and fit. Spend quality time with your elders and share your thoughts and ideas with them*
- *Eat healthy food and drink lots of water during summer ■ Integrating*
- *curriculum helps students deepen their understanding of the subject matter and comprehend relationship between different areas of study. This year's holiday homework has been designed keeping this interdisciplinary aspect in mind*

# CLASS – X

## Mathematics holiday home work

### Instructions

1. Try to do your vacations work by yourself
2. writing should be very good and neat
3. Do all the work under the guidance of your parents and guardians
4. Do all the work with date and day
5. Try to do your written work regularly to enhance your writing power
6. Make all the diagram with the help of pencil and scale
7. Do the activity with proper way
8. Make the colourful chart with colourful pictures
9. Do the assignments on A4 page and bind with stick file

Chapter-1 Real numbers- Worksheet -1 solve on A4 pages

Chapter-2 Polynomials - Worksheet-2 solve on A4 pages

Chapter no. 6 triangle solve on A4 size page as an assignment

Activity 1 Make a chart basic proportionality theorem(1 to 15 roll number)

2 Make a trigonometric table on a chart (16 to 30 roll number)

3. Make a chart on trigonometric ratios(31 to 45 roll no.)

4. Make Chart on types of triangle (46 to section B 6 roll no.)

## Worksheet -1

### Ch-1 ( Real Number)

#### MCQ

1. The HCF of 96 and 64 is

- a. 12   b. 18   c. 16   d.32
2. LCM of 45 and 75 is
- a. 215   b. 205   c. 225   d. 235
3. The relation between HCF and LCM of 12 and 20 will be
- a.  $HCF > LCM$    b.  $HCF = LCM$    c.  $HCF < LCM$    d. N.O.T

1. True/ false

1.  $\sqrt{3}$  is not a rational number.

2. Every composite number can be factorized as a product of prime.

Fill in the blanks.

1. HCF of 64 and 96 is .....

2.  $\sqrt{7}$  is..... number.

3. Express each number as a product of its prime number .

1. 156   2. 3825

4. Find the LCM and HCF of the following pairs of integers and verify that  $LCM \times HCF = \text{Product of two numbers}$

a. 17, 23 and 29   b. 8, 9 and 25

5. Given that  $HCF(306, 657) = 9$  Find  $LCM(306, 657)$

6. Prove that  $3 + 2\sqrt{5}$  is irrational .

7. Prove that  $7\sqrt{5}$  is irrational.

## Worksheet -2

### Chapter -2

#### 1. MCQ

A. which are the zeroes of the polynomial  $P(X) = X^2 + 3X - 10$ ?

(1) 5, -2 (2) -5, 2 (3) -5, -2 (4) NOT

B. Degree of the polynomial  $6X^3 - 4X^2 + 5X - 5$  is

(1) 3 (2) 0 (3) 2 (4) 1

C. The value of 'k' for which (-4) is zero of the polynomial  $X^2 - X - (2k + 2)$  is

(1) 3 (2) 9 (3) 6 (4) -1

2 True/false.

a. The zeroes of the polynomial  $x^2 - 3$  are  $\sqrt{3}$  and  $-\sqrt{3}$

b. The linear polynomial has degree

1 3 fill in the blanks.

c. The quadratic polynomial has degree .

d. The quadratic polynomial whose sum and product of zeroes are 4 and is \_\_\_\_\_

Find the zeroes of the polynomial and verify the relationship between Zeroes and the coefficients

1.  $4s^2 - 4s + 1$

2.  $t^2 - 15$

3.  $3X^2 - X - 4$

Find the quadratic polynomial each with the given numbers are the sum and product of its zeroes respectively

(1)  $-1/4, 1/4$

2.  $\sqrt{2}, 1/3$

3.  $4, 1$

# COMPUTER

Make an assignment HTML with Programs

1. Introduction
2. Basic HTML
3. Text Formatting
4. Image and media
5. Tables
6. Forms
7. Revise all the chapters that were done in class

## PHYSICAL EDUCATION

Chapter no. 1 Write on note books

Make a chart on food components

# English

Activity Work – Make a chart on voice / narration.

Learn Whole syllabus

Complete pending home work

1. ਆਪਣੀ ਕਿਤਾਬ ਵਿੱਚੋਂ ਪ੍ਰਿੰ: ਸੁਜਾਨ ਸਿੰਘ ਦੀ ਲਿਖੀ ਕਹਾਣੀ ਕੁਲਫੀ ਪੜ੍ਹੋ | ਦਿੱਤੀਆਂ ਹਦਾਇਤਾਂ ਅਨੁਸਾਰ ਹੇਠਾਂ ਦਿੱਤਾ ਕਾਰਜ ਕਰੋ |

- ਕਹਾਣੀ ਦਾ ਕਵਰ ਪੇਜ ਬਣਾਉ |
- ਪ੍ਰਿੰ : ਸੁਜਾਨ ਸਿੰਘ ਬਾਰੇ ਵਿਸ਼ੇਸ਼ ਜਾਣਕਾਰੀ ਦਿਉ |
- ਕਹਾਣੀ ਦਾ ਸਾਰ, ਵਸਤੂਨਿਸ਼ਠ ਪ੍ਰਸ਼ਨ / ਉਤਰ, ਸੰਖੇਪ ਉੱਤਰਾਂ ਵਾਲੇ ਪ੍ਰਸ਼ਨ ਲਿਖੋ|
- **ਕਿੱਥੇ ਕਰੀਏ** -A4 ਰੰਗੀਨ ਰੂਲਡ ਸੀਟ

**ਕਿਵੇਂ ਕਰੀਏ** – ਸਾਰਾ ਕੰਮ A4 ਰੰਗੀਨ ਰੂਲਡ ਸੀਟ ਉੱਤੇ ਕਰ ਕੇ ਕਵਰ ਪੇਜ ਵਾਲੀ ਫਾਇਲ ਵਿੱਚ ਲਗਾਇਆ ਜਾਵੇ|

**ਨੋਟ**-ਉਪਰੋਕਤ ਮੁਲਾਂਕਣ ਬਿੰਦੂਆਂ ਦੇ ਆਧਾਰ ਉੱਤੇ ਇਸ ਦੇ ਅੰਕ ਅੰਤਰਿਕ ਮੁਲਾਂਕਣ ਵਿੱਚ ਲਗਾਏ ਜਾਣਗੇ|

### *Punjabi -B*

- **ਨੋਟ**-ਉਪਰੋਕਤ ਮੁਲਾਂਕਣ ਬਿੰਦੂਆਂ ਦੇ ਆਧਾਰ ਉੱਤੇ ਇਸਦੇ ਅੰਕ ਅੰਤਰਿਕ ਮੁਲਾਂਕਣ ਵਿੱਚ ਲਗਾਏ ਜਾਣਗੇ
- **ਹੇਠਾਂ ਦਿੱਤੇ ਲੇਖ ਨੂੰ ਪੜ੍ਹੋ ਅਤੇ ਇਹਨਾਂ ਦੇ ਯਾਦ ਬਿੰਦੂਆਂ ਵਿਆਕਰਨ ਕਾਪੀ ਵਿੱਚ ਬਣਾਓ ਅਤੇ ਲੇਖ ਯਾਦ ਕਰੋ**

ਪੰਜਾਬ ਦੇ ਮੇਲੇ ਤੇ ਤਿਉਹਾਰ

**ਕਿੱਥੇ ਕਰੀਏ** - ਵਿਆਕਰਨ ਕਾਪੀ ਉੱਤੇ **ਕਿਵੇਂ ਕਰੀਏ** - ਸਾਫ਼ ਅਤੇ ਸੁੱਧ ਲਿਖਾਈ ਵਿੱਚ |

**ਨੋਟ** - ਇਹ ਲੇਖ ਜਮਾਤ ਵਿੱਚ ਭਾਸ਼ਣ ਰੂਪ ਵਿੱਚ ਸੁਣਿਆ ਜਾਵੇਗਾ| ਜਿਸ ਦੇ ਅੰਕ ਅੰਤਰਿਕ ਮੁਲਾਂਕਣ ਵਿੱਚ ਲਗਾਏ ਜਾਣਗੇ |

**ਪੰਜਾਬ ਦੇ ਮੇਲੇ ਤੇ ਤਿਉਹਾਰਾਂ ਦਾ ਮਾਡਲ ਤਿਆਰ ਕਰੋਉ**

ਹੁਣ ਤੱਕ ਕਲਾਸ ਵਿੱਚ ਕਰਾਏ ਗਏ ਸਿਲੇਬਸ ਦੀ ਦੁਹਰਾਈ ਕਰੋ





## Lesson :01 Physical features of the punjab and their influence on its History

### Q.1 Choose the correct option:

- The word 'Punjab' is the combination of which language?  
a) Arabian                      c) Persian  
b) Sindhi                      d) Hindi
- Which of the following names was never given to Punjab?  
a) Pentapotamia              c) Taki  
b) Sekia                      d) Hodu
- During the period of which Mughal Emperor the land between the two rivers was called 'Doaba'?  
a) Babar                      c) Humayun  
b) Akbar                      d) Jahangir

### Q.2 Fill in the blanks by choosing correct option:

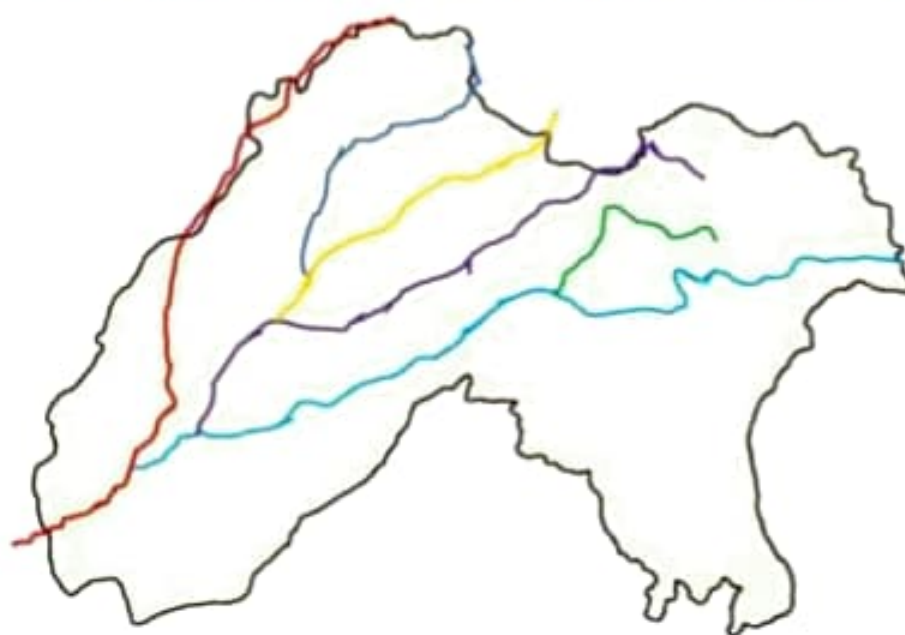
A	B
1. CHAJ	1. Baari Doab is also called _____ for being in the center of the Punjab.
2. MALWA	2. The region between the rivers Ghaggar and Jamuna is called _____.
3. MAJHA	3. The region between the rivers Jehlum and Chenab is called _____.
4. BANGAR	4. The people of _____ region are called Malwai.

### Q.3 Put the Passes of Punjab in correct sequence from North to South:

Tochi, Gomal, Khaibar, Bolan, Kurram

Sr. No.	1	2	3	4	5
Names of the Pass					

**Q.4 : Mark the names of the rivers and Doabas in the following map.**



**Q.5 To which Doaba the following cities belong:**

CITY	DOABA	CITY	DOABA
1. Gujrat	_____	2. Sialkot	_____
3. Lahore	_____	4. Amritsar	_____
5. Jalandhar	_____	6. Hoshiarpur	_____
7. Ludhiana	_____	8. Rawalpindi	_____
9. Multan	_____	10. Karnal	_____







**Q.3 Describe the teachings of Sri Guru Nanak Dev Ji using following Mind Map:**



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## अनुच्छेद

- एक आदर्श विद्यार्थी के गुण
- जीवन में परिश्रम का महत्व
- परीक्षा से एक घंटा पूर्व
- आंखों देखा हॉकी मैच

## पत्र

- अपने विद्यालय के प्रधानाचार्य को विद्यालय त्याग का प्रमाण पत्र प्रदान करने हेतु प्रार्थना पत्र लिखें
- अपने विद्यालय के प्रधानाचार्य को चरित्र प्रमाण पत्र प्रदान करने के लिए प्रार्थना पत्र लिखिए
- अपने विद्यालय के प्रधानाचार्य को छात्रवृत्ति के लिए आवेदन पत्र लिखिए
- सड़क दुर्घटनाओं पर चिंता व्यक्त करते हेतु संपादक , जनवाणी , होशियारपुर को पत्र लिखिए .

आवारा कुत्तों के आतंक की ओर ध्यान दिलाने हेतु किस संपादक के नाम पत्र लिखिए ।

(लिखना और याद करना )