

GURU HARKRISHAN PUBLIC SCHOOL KAROL BAGH

HOLIDAYS HOME WORK Class – XI C (2024-25)

English

Note:- Entire work should be done in English Class Register.

<p><u>Week – 1</u> Design a poster as an appeal for conserving water as most parts of India are facing serious problems and have been hit by drought.</p>	<p>For better understanding, kindly refer the following link:- https://www.cbsetuts.com/cbse-class-11-english-writing-grammar-posters/</p>
<p><u>Week – 2</u> Cut out 3 clippings of each Classified Ads under the heads –</p> <ul style="list-style-type: none">● For sale● To-let● Situation vacant● For matrimonial● Pets / kennels	<p>https://www.cbsetuts.com/cbse-class-11-english-writing-grammar-advertisements/</p>
<p><u>Week – 3</u> Write each of the following questions in 100-120 words.</p> <ol style="list-style-type: none">1. Explain the reasons for the changing relationship between the grandmother and the author.2. Discuss the values highlighted in the chapter The Portrait of a Lady.3. Identify the poetic devices used in the poem A Photograph and discuss their meanings.	<p>https://www.learncbse.in/ncert-solutions-for-class-11th-english-hornbill/</p>
<p><u>Week – 4</u> You are Ashok studying in Class XI. You have been asked by your Principal to speak in the morning assembly on the ‘Importance of English’. Draft a speech in 150 to 200 words.</p>	<p>https://www.cbsetuts.com/cbse-class-11-english-long-composition-speech/</p>
<p><u>Week – 5</u> Prepare 2 minutes Topic Presentation for Speaking Skills.</p>	

Informatics Practices

1.	<p>TOPIC:</p> <p>Output Devices</p> <p>Link 1</p> <p>https://www.youtube.com/watch?v=KV_L3a0Cl3U</p>	<p>Week 1</p> <p>Watch the video From the given URL</p> <p>Make a ppt on the topic Output Devices . Insert at least 6 slides.</p>
2.	<p>Getting Started With Python How to download and install Python </p> <p>TOPIC: Guido Van Rossum.</p> <p>Topic : Basics of Python Data types, variables and string Python Fundamentals TOKEN KEYWORDS IDENTIFIERS LITERALS CBSE CLASS - XI COMPUTER SCIENCE - YouTube https://www.youtube.com/watch?v=DWgzHbglNlo&list=PLsyeobzWxl7poL9JTVyndKe62ieoN-MZ3&index=4</p> <p>variables https://www.youtube.com/watch?v=TgPzwenhMj0&list=PLsyeobzWxl7poL9JTVyndKe62ieoN-MZ3&index=5</p> <p>https://www.youtube.com/watch?v=3Piulb9r-30&t=15s</p> <p>https://www.youtube.com/watch?v=X-sFJKKGkEU</p>	<p>Week 2</p> <p>Download Python from the Internet and Install it to your computer and write python statements in Interactive mode to print addition , subtraction , division and multiplication of 2 numbers.</p> <p>Week 3</p> <p>Create a video on Guido Van Rossum. Search the information from the internet.</p> <p>Week 4</p> <p>Make a chart on topic Secondary storage devices. Collect the Pictures from the net and paste.</p> <p>Week 5:</p> <p>Watch the videos and write programmes in python IDLE. After executing the programmes write the code in your notebook and paste the output .</p> <ul style="list-style-type: none">○ Python program to print "Hello Python"○ Python program to do arithmetical operations.(addition, subtraction,multiplication and division.)

MUSIC

*WEEK 1.

Write the detail study of music elements of Natyashastra.

https://www.indianetzone.com/56/musical_instruments_natyashastra.htm

WEEK 2.

Write the theka and dugun of Teentaal with their matras and chinh

<https://www.taalgyan.com/taals/teentaal/>

Week 3.

Explain in detail the structure of Tanpura with its diagram.

<https://saraswatisangeetsadhana.in/music-instrument-tanpura/>

WEEK 4.

Learn and write the description of any one raag from your course.

WEEK 5.

What is ektaal? Write the theka and dugun of it with its description.

* Total matras.

* Chinh.

* Khali and Sum

<https://www.taalgyan.com/taals/ektaal/>

PHYSICAL EDUCATION

Holidays HH in Practical File,

1 Fitness tests,8

2 Olympics 2024

(200words)

3 Draw Surya Namaskaar with Details

4 2mins self video, talk on ur favourite Game

5 Complete Notes till chapter 2.

6 Details of ur summer coaching in any Game.

Submit on 01july2024

Accountancy

Task:	Link for your reference:	To be done on:
<p><u>Week – 1</u></p> <p>Make flow chart of Accounting Process.</p>	<p>https://byjus.com/question-answer/explain-the-accounting-process-with-the-help-of-a-diagram/</p>	<p>Accountancy class register.</p>
<p><u>Week – 2</u></p> <p>Make a creative dictionary of Basic Accounting Terms. It should be in alphabetical order with their meanings. You can paste pictures also. Get the dictionary binded as well.</p>	<p>https://byjus.com/commerce/basic-accounting-terms/</p>	<p>Small sheets</p>
<p><u>Week – 3</u></p> <p>Interview any nearby business owner regarding when was it started, nature of business, product/ service being offered for sale, cost price, selling price and profit per product, collect photocopies of various documents used in the business, where does the business owner see his/her business in the next 5 years etc. Make a report of the interview findings and paste pictures.</p>	<p>https://edurev.in/t/156361/Introduction-Origin-of-transactions-Source-Documen</p>	<p>Accountancy class register.</p>
<p><u>Week – 4</u></p> <p>Make a PPT on accounting principles and concepts assumed in business.</p>	<p>https://www.vedantu.com/commerce/accounting-concepts</p>	<p>Upload the PPT on google drive and send the link to the subject teacher.</p>
<p><u>Week – 5</u></p> <p>Make notes of the chapters completed in class.</p>	<p>https://www.vedantu.com/revision-notes/cbse-class-11-accountancy-notes</p>	<p>Accountancy class register.</p>

Business Studies

Task:	Link for your reference:	To be done on:
<p><u>Week – 1</u></p> <p>Observe and record various activities you do in a day and classify them into economic or non-economic activities. Paste pictures also.</p>	<p>https://byjus.com/commence/meaning-of-economic-and-non-economic-activities/</p>	BST class register.
<p><u>Week – 2</u></p> <p>Collect information about any two famous trade centres in the history of trade and paste pictures.</p>	<p>https://unacademy.com/content/cbse-class-11/study-material/accounting/major-trade-major-trade-centres/</p>	BST class register.
<p><u>Week – 3</u></p> <p>Visit a Small Business Enterprise (Sole Proprietorship) to understand the nature and characteristics of Business, risks, problems, form and growth of the business. Paste pictures.</p>	<p>https://www.investopedia.com/terms/s/soleproprietorship.asp#:~:text=A%20sole%20proprietorship%20is%20an%20unincorporated%20business%20with%20only%20one,small%20business%20owners%20and%20contractors.</p>	BST class register.
<p><u>Week – 4</u></p> <p>Make a PPT on various Forms of Business Organisations from chapter 2.</p>	<p>https://www.vedantu.com/revision-notes/cbse-class-11-business-studies-notes-chapter-2</p>	Upload the PPT on google drive and send the link to the subject teacher..
<p><u>Week – 5</u></p> <p>Collect newspaper clippings of various business news/ developments/ events happened in the month of June and make a collage from them.</p>	-	BST class register.

DIVINITY

1st week

1) Learn question answers of Chapter 1 to 6

2nd week

2) Recite Japuji Sahib Path daily.

3rd week

3) Make a family tree of 10 Gurus.

https://www.sikhiwiki.org/index.php/Guru_family_tree

4th week

4) Make a project on Sikh population around the world Take help from link <https://shorturl.at/djqFY>

5th week

5) Learn Ardas

ਛੁੱਟੀਆਂ ਦਾ ਕੰਮ 2024-25

ਜਮਾਤ - ਗਿਆਰਵੀਂ

ਹਫ਼ਤਾ ਪਹਿਲਾ

1-ਕਿਸੇ ਹਸਪਤਾਲ ਵਿੱਚ ਜਾ ਕੇ ਤੁਸੀਂ ਮਰੀਜ਼ਾਂ ਦੀ ਸੇਵਾ ਕੀਤੀ ਹੈ ਇਸਦੇ ਬਾਰੇ ਹਸਪਤਾਲ ਦੇ ਖਰਾਬ ਪ੍ਰਬੰਧ ਬਾਰੇ ਅਖਬਾਰ ਦੇ ਸੰਪਾਦਕ ਨੂੰ ਪੱਤਰ ਲਿਖੋ।

2-ਤੁਹਾਡੇ ਇਲਾਕੇ ਵਿੱਚ ਕਾਰਾਂ ਦੀ ਬਹੁਤ ਮੰਗ ਹੈ। ਹੋਂਡਾਸਿਟੀ ਦੀ ਏਜੰਸੀ ਲੈਣ ਲਈ, ਹੋਂਡਾ ਸਿਟੀ ਦੇ ਡਾਇਰੈਕਟਰ ਨੂੰ ਚਿੱਠੀ ਲਿਖੋ।

3-ਕਿਸੇ ਅਖਬਾਰ ਦੇ ਸੰਪਾਦਕ ਨੂੰ ਵੱਧ ਰਹੀ ਮਹਿੰਗਾਈ ਬਾਰੇ ਤੇ ਮਹਿੰਗੇ ਹੋ ਰਹੇ ਸੇਨੇ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦਿੰਦਿਆਂ ਹੋਇਆਂ ਪੱਤਰ ਲਿਖੋ।

4-ਬਾਜ਼ਾਰਾਂ ਵਿੱਚ ਵਿਕਦੇ ਮਿਲਾਵਟੀ ਸਮਾਨ ਬਾਰੇ ਕਿਸੇ ਅਖਬਾਰ ਦੇ ਸੰਪਾਦਕ ਨੂੰ ਪੱਤਰ ਲਿਖ ਕੇ ਸੂਚਿਤ ਕਰੋ।

ਹਫ਼ਤਾ ਦੂਜਾ

ਹੇਠ ਲਿਖੇ ਵਿਸ਼ਿਆਂ ਤੇ ਲੇਖ ਲਿਖੋ।

ਮਾਂ ਬੋਲੀ ਪੰਜਾਬੀ, ਸਾਡਾ ਇਮਤਿਹਾਨ ਹੀ ਢਾਂਚਾ, ਭਾਰਤ ਵਿੱਚ ਬਜ਼ੁਰਗਾਂ ਦਾ ਸਥਾਨ, ਪੰਜਾਬ ਦੇ ਮੇਲੇ ਤੇ ਤਿਉਹਾਰ।

ਹਫ਼ਤਾ ਤੀਜਾ

ਆਪਣੇ ਕਿਸੇ ਵੀ ਮਨਪਸੰਦ ਵਿਸ਼ੇ ਤੇ 15 ਪੇਜਾਂ ਦਾ ਪ੍ਰੋਜੈਕਟ ਤਿਆਰ ਕਰੋ।

ਹਫ਼ਤਾ ਚੌਥਾ

ਆਪਣੀ ਕਾਪੀ ਵਿੱਚ ਦੋ ਸੁਹਾਗ, ਦੋ ਘੋੜੀਆਂ, ਦੋ ਟੱਪੇ, ਦੋ ਮਾਹੀਆ ਦੇ ਬੋਲੀਆਂ ਤੇ ਪੂਰਨ ਭਗਤ ਦੇ ਕਿੱਸੇ ਦੀ ਕਹਾਣੀ

ਲਿਖੋ। <https://youtu.be/J4DxQsUoB6I?si=5piOAJf0-zZv4L-j>

https://youtu.be/WyVqtox1q68?si=CLolkefIVxRHB6W1_ji

https://youtu.be/pWAOEoOiSPI?si=MuzhtJhoBLMn_caH_br

ਹਫ਼ਤਾ ਪੰਜਵਾਂ

ਘਰ ਵਿੱਚ ਰਹਿ ਕੇ ਤੁਸੀਂ ਆਪਣੇ ਮਾਤਾ ਜੀ ਨਾਲ ਕਿਵੇਂ ਘਰ ਦੇ ਕੰਮ ਵਿੱਚ ਹੱਥ ਵਟਾਇਆ ਅਤੇ ਉਹਨਾਂ ਦੀ ਕੀ ਕੀ ਮਦਦ ਕੀਤੀ।

ਇਸ ਦੇ ਬਾਰੇ ਵਿਸਤਾਰ ਸਹਿਤ ਜਾਣਕਾਰੀ ਦਿੰਦਿਆਂ ਹੋਇਆਂ ਪੈਰਾ ਲਿਖੋ।

<https://youtu.be/SOk6M3lchJQ?si=w7T140vSPaC8noVg>

Holiday Homework
Class XI - Maths

Week – 1

SET THEORY AND RELATIONS & FUNCTION

1. Represent the following in the roster form i) Set of months of a year having 30 days
ii) Set of integers between – 6 & 6
iii) Set of vowels of English alphabets
iv) $\{x \in \mathbb{N} ; x^2 < 36\}$
2. Represent the following in set builder form i) $\{-1, 1\}$ ii) $\{1, 4, 9, 16, 25, \dots, 121\}$ iii) $\{1, 2, 4, 8, \dots\}$ iv) Set of odd natural numbers
3. State whether the following are true or false i) $\{1, 2\} = \{1, 1, 2, 2, 2\}$ ii) $\{2\} = \{1, 2, 3\}$ iii) \emptyset is a subset of every set
4. Write the following intervals in set builder form i) $(-4, 0)$ ii) $[-6, 2)$ iii) $(9, 12)$ iv) $[-2, 3]$
5. A & B are two sets such that $n(A) = 3$ and $n(B) = 6$. Find $n(A \times B)$.
6. Taking the set of natural numbers as the universal set.
7. Write the complement of the following sets i) $\{x : x \text{ is an even natural number}\}$ ii) $\{x : x \text{ is a prime number}\}$
iii) $\{x : x \text{ is a perfect square number}\}$ iv) $\{x : 2x + 5 = 9\}$
9. If $U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$ $A = \{2, 4, 6, 8\}$ $B = \{2, 3, 5, 7, 9\}$ MATHEMATICS 29 Verify i) $(A \cup B)' = A' \cap B'$
ii) $(A \cap B)' = A' \cup B'$
10. Given that $A = \{1, 2, 3, \dots, 100\}$ write the subset B of A whose elements are represented by $x + 2$, where $x \in A$
11. If $A = \{4n - 3n - 1, n \in \mathbb{N}\}$ $B = \{9(n - 1), n \in \mathbb{N}\}$ show that $A \subset B$
12. Prove that if $A \cup B = C$ & $A \cap B = \emptyset$ then $A = C - B$
14. Two finite sets have m & n elements. The total number of subsets of the first set is 56 more than the total number of Subsets of the second set. Find values of m & n.
15. Using Venn diagram show the set i) $A' \cap (B \cup C)$ ii) $(A - B) \cup (B - A)$ 16. If $A = \{1, 3, 5\}$, $B = \{2, 4\}$ find $n(A \times B)$ a) 6 b) 8 c) 10 d) 12 iii) $n(B \times A)$ a) 6 b) 8 c) 10 d) 12
13. Given relation R on Z as $R = \{(a, b) \in \mathbb{Z} \times \mathbb{Z} : a^2 + b^2 \leq 4\}$. The domain of R is i) $\{0, 2, 4\}$ ii) $\{1, +1, +2\}$ iii) $\{1, 2, 3, 4\}$ iv) $\{0, 1, 2, 3, 4\}$
17. Let $f(x) = x^2 - x$ $g(x) = 2x$ be functions defined on R, find i) $(f + g)(0)$ a) 0 b) 1 c) 2 d) 3
ii) $(f - g)(-1)$ a) 1 b) 4 c) 5 d) 6 iii) $(f \cdot g)(2)$ a) 0 b) 8 c) 6 d) None
14. Let R be a relation from N to N defined by $R = \{(a, b) : a, b \in \mathbb{N}, a = b^2\}$ Are the following true ii) $(a, a) \in R, \forall a \in \mathbb{N}$ iii) $(a, b) \in R \Rightarrow (b, a) \in R$ iv) $(a, b) \in R, (b, c) \in R \Rightarrow (a, c) \in R$
20. If $A \times B = \{(a, 1), (a, 2), (a, 5), (b, 1), (b, 2), (b, 5)\}$ find $B \times A$
21. If $A = \{1, 2, 3\}$, $B = \{7, 9\}$. Let $f = \{(2, 9), (3, 7)\}$. Is 'f' a function from A to B? Why?
15. Let R be a relation defined on N as $R = \{(x, y) \in \mathbb{N} \times \mathbb{N} : x + 2y = 39\}$, 30 find the domain & range of R
20. Let $A = \{1, 2, 3\}$ $B = \{3, 4\}$ $C = \{4, 5, 6\}$ find i) $A \times (B \times C)$ ii) $(A \times B) \times (A \times C)$
21. Find domain of the functions: $f(x) = [x] + x$
16. Find range of the following functions i) $f(x) = |x - 3|$ ii) $f(x) = 5 \sin 4x$ iii) $f(x) = 5 - |x|$ iv) $f(x) = 1 + 3 \cos 2x$
17. Let $A = \{a, b\}$; $B = \{c, d\}$. How many relations are possible from A to B
24. Find domain and range for the functions i) $f(x) = |x|$ ii) $f(x) = \sin x \cos x$ iii) $f(x) = \sec x$
25. Redefine the function given by $f(x) = |x - 1| + |1 + x|$, $-2 < x < 2$
26. Let $A = \{1, 2, 3, 4\}$ & $B = \{1, 4, 9, 16, 25\}$. If R is a relation defined from A to B as $R = \{(x, y) : x \in A, y \in B \text{ \& } y = x^2\}$ iv) Draw arrow diagram of R v) Find domain of R vi) Find range of R vii) Find co-domain of R
18. Is $g = \{(1, 1), (2, 3), (3, 5), (4, 7)\}$ a function? Justify.
28. If $A = \{2, 4, 6, 9\}$ & $B = \{4, 6, 18, 27, 54\}$ Let R be a relation from A to B defined as $R = \{(a, b) : a < b \text{ \& } a \text{ is a factor of } b\}$ i) Find R ii) Find domain and range of R
19. Draw graph of functions $f(x) = |x - 2|$
31. Draw the graph of $f(x) = 1 - |x + 3|$
32. The function f is defined by $f(x) = \sin x$ Draw graph of $f(x)$
33. If $f(x) = \sin x$, find $f(f(x))$

Week – 2

Maths lab activities on the following topics are to be completed in Maths Lab activity file.

<https://ncert.nic.in/pdf/mathematics/kelm.402>

https://ncert.nic.in/pdf/class_xi/mathematics/pdf/kelm402.pdf

1.To find the number of subsets of a given set and verify that if a set has n number of elements, then the total number of subsets is 2^n

2.To verify that for two sets A and B , $n(A \times B) = pq$ and the total number of relations from A to B is 2^{pq} , where $n(A) = p$ and $n(B) = q$

3,To verify distributive law for three given non-empty sets A , B and C , that is, $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$

Week - 3

DO THE ASSIGNMENT RELATED TO REAL NUMBERS,POLYNOMIALS,LINER EQUATIONS IN TWO VARIABLES AND QUADRATIC EQUATIONS { from exemplar}

<https://ncert.nic.in/exemplar-problems.php?ln=en>

<https://ncert.nic.in/exemplar-problems.php?ln=en>

Week - 4

PRACTICE NCERT COVERED SYLLANBUS .USE YOUR CREATIVITY AND MAKE A BEAUTIFYL COVER PAGE OF MATHS ACTIVITY FILE

<https://www.pinterest.com/pin/maths-border-design-maths-project-cover-page-design-border-designs-on-paper--678073287667811850/>

MIND MAP RELATED TO CH 1,2

https://edurev.in/studytube/Mindmap-Sets/d40bb61d-7a73-4073-8d44-2278e8a757c1_p

Draw Graph of functions

<https://youtu.be/wo2Lz8bFRlI?si=86SsDVECsmZ0bBi4>

ECONOMICS.(2024 - 2025)

MAY 4th WEEK. Paste the picture of Father of Economics and Father of Statistics and write biography.

JUNE 1st WEEK; Conduct an interview on any leading personalities and prepare questionnaire(at least eight questions) with multiple choice option. Refer this link.

https://www.google.com/url?sa=t&source=web&rct=j&opi=89978449&url=https://resources.workable.com/tutorial/how-to-conduct-an-interview&ved=2ahUKEwjE_lzs6ZGGAxUebmwGHS7gC6UQFnoECC4QAQ&sqi=2&usg=AOvVaw1ONtJFDF8RnQBu5hAZRWJ0

JUNE 2nd WEEK; Visit any market place ,watch and write the activities and classified into economic and non economic activities. Refer this link.

https://www.google.com/url?sa=t&source=web&rct=j&opi=89978449&url=https://resources.workable.com/tutorial/how-to-conduct-an-interview&ved=2ahUKEwjE_lzs6ZGGAxUebmwGHS7gC6UQFnoECC4QAQ&sqi=2&usg=AOvVaw1ONtJFDF8RnQBu5hAZRWJ0 non economic activities.

JUNE 3rd & 4th WEEK; Select any one topic of your convenience and apply the different stages in the data collection.

Refer this

https://www.google.com/url?sa=t&source=web&rct=j&opi=89978449&url=https://www.economicdiscussion.net/articles/statistical-tools-used-in-economic-analysis/2319&ved=2ahUKEwiQhYSc7ZGGAxVP4zgGHWMMDAAQFnoECBUQBQ&sqi=2&usg=AOvVaw32d1u1uZ_2cV6QjePzIOhj