

HOLIDAYS HOMEWORK 2023-24

General Studies

1. Prepare one project on any one topic

- a. Science and Society
- b. Contemporary Problems of Indian Society
- c. Cultural Heritage of India
- d. India's Freedom Struggle
- e. Constitutional Values
- f. Human Rights

(Follow Instructions-

* Cover page with School Name, Logo,

Title with picture, Your name, class and section, your stamp size photograph in school uniform

* Acknowledgement

* Index

* Content with related pictures -10 to 15 pages

* Reflection

* Bibliography)

NOTE - General Studies project has to be submitted immediately after the summer vacations.

English:

2. Listen to English BBC or CNN every day for 30 minutes and thereafter prepare Topic Presentation on any topic of your choice for 1.5 to 2 minutes following guidelines of Assessment of Speaking Skills in English

3. Many interviews of Sudha Murthy with celebrities like Shashi Tharoor, Twinkle Khanna are uploaded on Facebook. Write the review of any one of the interview in your English register. Word limit -150 words.

4. Draft a comic strip on theme Van Mahotsav on A4 size sheet and paste in your English Register

5. Complete the entire work done in the class . You are also instructed to read the chapters thoroughly and revise.

6. You are Secretary of the History Club of Vidya Mandir School. Draft a notice in not more than 50 words informing students of a proposed visit to some important historical sites in your city. (Do in English Register)

7. You are Smitha/Sunil, Secretary AVM Housing Society. You are going to organize a blood donation camp. Write a notice in not more than 50 words, urging the members of your society to come in large numbers for this noble cause. Invent all the necessary details (Do in English Register)

Holiday homework

Physics

Class 12

1. Do all the intext , examples and exercise questions of chapter

a) Electric force and field.

b) Electric potential and capacitance

c) Current electricity.

of Ncert text book in your holiday homework copy.

2. Make a model on the concept of electricity or Light.

(Eg Total internal reflection ,mutual induction , ohm's law ,rectifier, Transformer ,AC generator , refraction through prism or anything based on concept of electricity and Light)

You can take help from utube for making a Model.

You make a project file on the basis of model that

HOLIDAY HOMEWORK

CLASS XII SUBJECT MATHEMATICS

1. REVISE ALL THE CONCEPT THAT WE HAVE DONE IN CW.
2. DO ALL THE ASSIGNMENTS THAT I WILL BE SENDING EVERY WEEK IN THE MONTH OF MAY.
3. DO ALL THE ACTIVITIES THAT I WILL BE SENDING IN EVERY WEEK OF MAY IN ACTIVITY FILE OF MATHS.
4. YOUR REGISTER AND FILE SHOULD BE MAINTAINED AND COMPLETE CH- 1 AND 2.
5. REVISE TRIGONOMETRIC FUNCTION, CONTINUITY AND DERIVATIVE FROM CLASS XI AND LEARN ALL FORMULAE RELATED TO THESE CHAPTER.

Happy Holidays.....

HOLIDAYS HOMEWORK CHEMISTRY 2023-24

CLASS XII-CHEMISTRY

TEACHER: MS MANDEEP KAUR

Activity - 1 PROJECT	Find an investigatory project prescribed by CBSE ,get it approved ,prepare viva for it including definition, theory ,examples, structures/pictures/ all concept involved . Search the topic given in your project from your NCERT book and prepare it from there too. Write maximum question answers based on your project on loose sheets and after the completion of your project attach sheets in the last of your project .
Activity-2	Complete all practicals in your file posted in google class room
Activity -3 Search new themes / hand on activities /models for Different science competition/exhibition from Arvind Gupta toys ,Think tac sites and bring rough sketch of your idea https://www.arvindguptatoys.com/toys.html https://www.thinktac.com/	Search for new models /ideas on given or more websites / new discoveries of science in the field of technology, agriculture ,Health and hygiene

	,communication, save environment, best use of waste etc . get it approved for zonal level competitions from your teachers
Activity -4 Watch Ch-1 and CH-2 on the links given below and note important points of chapters and prepare for UT-1 https://www.youtube.com/watch?v=1VElCP7_GFI https://www.youtube.com/watch?v=paRg8Q9Y1t8	Do practice of numericals

Activities for Holiday Home work CLASS XII(BIOLOGY)

<p>NCERT Book Theme: Human health and diseases</p> <p>Link1 https://www.who.int/news-room/fact-sheets/detail/malaria</p> <p>Link 2 https://www.healthline.com/health/malaria#outlook</p> <p>Link 3 http://www.idph.state.il.us/envhealth/pcmosquitoes.htm</p> <p>LINK-4 https://www.health.harvard.edu/staying-healthy/how-to-boost-your-immune-system</p> <p>LINK-5 https://www.yogajournal.com/lifestyle/support-your-immune-system</p> <p>LINK-6 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3099098/</p>	<p>WEEK 1</p> <ul style="list-style-type: none">• Read your textbook and other resources from the internet to get the information about malaria. After reading Link 1 & Link 2: <ul style="list-style-type: none">❖ Find out the microbe responsible for the same and its life cycle.❖ Also list the symptoms of malaria and ways to prevent the spread.❖ Try to find out the treatment given in malaria and is there any correlation found in the treatment of malaria and COVID 19❖ After reading Link 3 find out:❖ What other diseases spread by way of mosquito bites. Find out their causative pathogen and the symptoms. Also collect information about how to prevent them <p>Make a poster showing life cycle of plasmodium and the symptoms associated with it.</p> <p>WEEK 2</p> <p>Refer Link 4,Link-5, Link-6 & Link 7</p> <ul style="list-style-type: none">❖ Collect the information regarding the ways to boost immunity and how it will prove to be helpful.❖ Collect the articles or internet information about how the immunity towards COVID 19 can be developed.❖ What is the role of yoga in immunity development➤ Using the above information and
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Activities for Holiday Home work CLASS XII(BIOLOGY)

<p>LINK-7 https://www.healthline.com/nutrition/how-to-boost-immune-health#2.-Eat-more-whole-plant-foods</p> <p>LINK-8 https://www.mohfw.gov.in/pdf/Poster_Corona_ad_Eng.pdf</p>	<p>articles make a collage.</p> <p>What changes in your lifestyle have you made to avoid contracting various diseases?</p> <ul style="list-style-type: none"> ➤ Make a list on a chart paper/sheet of paper and share a picture of it with your classmates. ➤ Make a food item or drink made up of herbal/ home products which can enhance immunity.
<p>LINK-9 https://www.youtube.com/watch?v=Qh6n4AgSDP8</p> <p>LINK-10 https://www.youtube.com/watch?v=1V0_OaBhk5Q</p> <p>LINK https://www.youtube.com/watch?v=FPSGNp5pIOI</p>	<p>WEEK 3</p> <p>Watch this video. Explore the information from internet and answer the following:</p> <ul style="list-style-type: none"> ❖ What problem/ social issue is shown on video of Link 9. ❖ What could be the possible signs which we look for to know whether the person is drug addict or not. ❖ Which drugs are commonly abused and from which source they are derived? ❖ What are the harmful effects of drug on a person? ❖ What makes adolescence to fall the prey of drugs? <p>Make a power point presentation covering all these points</p>
<p>LINK https://www.drugs.com/article/antibiotics.html</p> <p>LINK</p>	<p>WEEK-4</p> <p>Collect information of the microbes used in the field of medicine.</p> <p>Collect information about what is antibiotic?</p>

Activities for Holiday Home work CLASS XII(BIOLOGY)

<https://microbiologysociety.org/members-outreach-resources/outreach-resources/antibiotics-unearthed/antibiotics-and-antibiotic-resistance/the-history-of-antibiotics.html>

LINK

<https://www.cdc.gov/patientsafety/features/be-antibiotics-aware.html>

How are antibiotic derived?

Which was the first antibiotic discovered and how?

Various group of antibiotics and how they help in killing the pathogens.

What is antibiotic resistance?

Which antibiotic is used as a combination therapy in cases of COVID 19 initially?

How antibiotics are misused?

Prepare a talk on the following points and record your video.

WEEK -5

Search some innovative and interesting topic for your project from various sources.

Collect all the information related to your project from internet/ books.

Try to collect the latest development/ data/ information about that topic.

Also find out that how working on that topic can benefit you or others.

HOLIDAYS HOME WORK

Class XII (23-24)

Subject :Computer Science

1. Write a program to show entered string is a palindrome or not.
2. Write a program to count and display no. of alphabets, digits, uppercase, lowercase, spaces and other characters.
3. Write a program to display half of the even numbers and double of the odd numbers in a given list.
4. Write a program to display frequencies of all the element of a list.
5. Write a program to display those strings, which are starting with 'A' or 'a' from the given string
6. Write a program to find and display the sum of all the values, which are ending with 3 from a list.
7. Write a program to accept values from a user and create a tuple.
8. Write a program to input total number of sections and stream name in 11th class and display all information on the output screen.
9. Write a program to input name of 'n' countries and their capital and currency store, it in a dictionary and display in tabular form also search and display for a particular country.
10. Write a program to swap alternative values in a list.
11. Write a program to call great func() to find greater out of entered two numbers, using import command.
12. Write a Program to implement inbuilt functions (any 8) on string
13. Prepare project synopsis on the given topic .
14. Write a program to print the even numbers from a given list using function
15. Write a program to reverse a string using function.
16. write a program to pass a dictionary to a function with list of elements as keys and frequency of its occurrences as values and return as a dictionary.
17. Write 2 programmes of exception handling and 4 programs of file handling.
18. create an attractive cover page of your practical file and project file.

GURU HARKRISHAN PUBLIC SCHOOL
ACTIVITIES FOR HOLIDAYS HOME WORK
CLASS XII(23-24)

Subject :Informatics Practices

Write the programmes for the followings using python IDLE. Take print outs for practical file.

1. To create a series using list.
2. To create a series Using range() method.
3. To create a series with range () and for loop.
4. To create a series to access single and multiple values based on index.
5. To create a series to perform indexing, slicing and accessing data from a series.
6. To create a series from dictionary.
7. To create a series using head() and tail() functions on series.(3 programmes)
8. Write 5 programmes of Data Frame.

9. Consider the given data set of 'teacher' with the following structure:

NAME	RAJNI	RENU	NIDHI	ROHIT	NAVDEEP	KIRANJOT	Baljot
AGE	50	60	69	75	85	90	56

- (I) Create a series with index as NAME and AGE as values from the given data set teacher
- (II) Display the records of those teachers who have age greater than 85.
- (III) Display the records of those teachers who have age less than equal to 75.
- (IV) Increase the age by 5 whose name is KIRANJOT.

10. MY SQL

1. Create a database.

2.create a table Mortality Rate and inserts the records . (take the data from the given URL).

<https://twitter.com/TweetIndia5/status/1249593771072708608>

After creating a table write 10 Sql Queries using **select., where, order by, between ,like, update and Alter table** command.

11. create an attractive cover page of your practical file and project file.

12. Prepare project synopsis on the given topic.

गुरु हरकिशन पब्लिक स्कूल करोल बाग

ग्रीष्मकालीन ग्रहकार्य (2023-24)

कक्षा 12वीं विषय - हिंदी

1. निम्नलिखित में से किसी एक कवि अथवा लेखक पर परियोजना कार्य लिखिए।

तुलसीदास, रघुवीर सहाय, प्रेमचंद्र, सूर्यकांत त्रिपाठी निराला

2. इकाई प्रथम की पुनरावृत्ति कीजिए।

3. निम्नलिखित विषयों पर 200 से 300 शब्दों में रचनात्मक लेख लिखिए।

- मेरे जीवन का लक्ष्य
- लोकतंत्र में मीडिया की भूमिका
- राष्ट्र निर्माण में युवा पीढ़ी का योगदान

4. सृजनात्मक लेखन के विभिन्न पाठों को पढ़िए।

5. रचनात्मक कार्य - G-20 शिखर सम्मेलन 2023 ।

HOLIDAYS ASSIGNMENT (PHYSICAL EDUCATION)

CLASS 12th (2023-24)

- Practical file topics
 - Olympics
 - Surya Namaskar (Pics with names)
 - Pet game figure
 - Khelo India tests and registration number
 - Calculate BMI
 - Details of participation in sports, post covid
 - 2 mins video while performing exercise.

NOTE: Holiday Assignment to be done in 'Practical File Lab Manual' (To be purchased from book shop and cover it)

Practical File Lab Manual Reference :

https://www.google.com/url?sa=i&url=https%3A%2F%2Fsahityabhawan.co.in%2Fbook%2Fschool-books-boards%2Fcbse%2Fcbse-lab-manual%2Fclass-12-cbse-lab-manual%2Fcbse-lab-manual-physical-education-for-class-12%2F&psig=AOvVaw1CHTdO-2jnJugBFF6bg5Wy&ust=1682613881134000&source=images&cd=vfe&ved=0CBEQjRxqFwoTCPDk8af_x_4CFQAAAAAdAAAAABAJ

You can buy any practical file lab manual similar to above.

NOTE: Submission by first week of July

Holiday's Homework

Subject Divinity

Class 12th

1) Learn question answers of Chapter 1

2) Recite Japuji Sahib Path daily.

3) Make a family tree of 10 Gurus.

Link-[https://www.sikhiwiki.org/index.php/Guru family tree](https://www.sikhiwiki.org/index.php/Guru_family_tree)

4) Make Logo G-20 and write slogan ਇਕ ਧਰਤੀ ,ਇਕ ਪਰਿਵਾਰ,ਇਕ ਭਵਿੱਖ

5) Learn Ardas