**BHAI JOGA SINGH PUBLIC SCHOOL**

**WINTER HOLIDAYS HOMEWORK**

**CLASS – XI (2021-2022)**

**ENGLISH**

Read the book - No one is talking about this or Stories we never tell by Savi Sharma and make a slide show of about 10 - 12 slides including introduction, characters , theme and short detail of the book include a slide conveying the message ( if any ) . You should have a complete knowledge about the book . Questions will be asked while testing your speaking skills .

**HINDI**

**नोट -सभी कार्य एक A-4 शीट्स का प्रयोग कर फाइल में तैयार करे-**

1. पहलासुखनिरोगीकाया –परआलेखलिखिए |
2. बालमजदूरीएकअभिशाप - परफीचरलेखनलिखिए|
3. सर्वशिक्षाअभियान - अनुच्छेदलिखिए|
4. प्राकृतिकआपदाएंआनेकेमुख्यकारणएवंरोकथामकेउपायबतातेहुएसंपादककेनामपत्रलिखिए|

**PUNJABI**

ਗੁਰੂ ਗੋਬਿੰਦ ਸਿੰਘ ਜੀ ਦੇ ਆਨੰਦਪੁਰ ਸਾਹਿਬ ਦਾ ਕਿਲ੍ਹਾ ਛੱਡਣ ਤੋਂ ਲੈਕੇ ਚਾਰੇ ਸਾਹਿਬਜ਼ਾਦਿਆਂ ਦੀ ਸ਼ਹਾਦਤ ਨੂੰ ਬਿਆਨਕਰਦੇਹੋਏਇਕਸੁੰਦਰ Video ਤਿਆਰਕਰੋ ।

**INFORMATIC PRACTICES**

Data Management: SQL Commands

1. To create a database

2. To create a student table with the student id, class, section, gender, name, dob, and marks as

attributes where the student id is the primary key.

3. To insert the details of at least 10 students in the above table.

4. To delete the details of a particular student in the above table.

5. To increase marks by 5% for those students who have Rno more than 20.

6. To display the entire content of the table.

7. To display Rno, Name and Marks of those students who are scoring marks more than 50.

8. To find the average of marks from the student table.

9. To find the number of students, who are from section ‘A’.

10. To add a new column email in the above table with appropriate data type.

11. To add the email ids of each student in the previously created email column.

12. To display the information of all the students, whose name starts with ‘AN’ (Examples: ANAND,ANGAD,..)

13. To display Rno, Name, DOB of those students who are born between ‘2005- 01-01’ and‘2005-12-31’.

14. To display Rno, Name, DOB, Marks, Email of those male students in ascending order of their names.

15. To display Rno, Gender, Name, DOB, Marks, Email in descending order of their marks.

16. To display the unique section available in the table

**COMPUTER SCIENCE**

 Find the largest/smallest number in a list/tuple

 Input a list of numbers and swap elements at the even location with the elements at the odd location.

 Input a list/tuple of elements, search for a given element in the list/tuple.

 Input a list of numbers and find the smallest and largest number from the list.

 Create a dictionary with the roll number, name and marks of n students in a class and display the names of students who have scored marks above 75.

**ECONOMICS**

Make a project on any one topic To be done in 40-50 sheets.

Effect on PPC due to various government policies

•Invisible Hand (Adam Smith)

•Opportunity Cost as an Economic Tool (taking real life situations

Effect of Price Change on a Substitute Good (taking prices from real life visiting local market)

•Solar Energy, a Cost Effective Comparison with Conventional Energy Sources

Bumper Production- Boon or Bane for the Farmer

•Any other newspaper article and its evaluation on basis of economic principles

Any other topic

**MATHEMATICS**

1) Make a power point presentation regarding the population of sikkim. Keep the following areas in your presentation -

A) Rainfall rate along the year ( use bar graph)

B) Pie chart of population of sikkim

C) Ratio of area of Delhi and sikkim

D) Major language spoken ( bar graph with diagram)

E) Density of population ( Area/ population)

F) Number of government schools at the elementary level from the year 2009 onwards ( Bar Graph)

G) Population Trend ( Bar graph)

H) Average death rate (Ratio)

2) Complete the mathematics lab activity file

3) Make a beautiful chart regarding the formulas of derivatives and trigonometry.

**BUSINESS STUDIES**

Make a project on anyone topic

Banking

Insurance

A visit to a mall

Follow all the instructions given in the class for the preparation of project . Make it beautifully and decorate it.

**ACCOUNTS**

Choose any five companies operating in Sikkim State and make Financial Statements ( Trading A(c Profit and loss A(c Balance Sheet ) as discussed in the class

Make this project properly and decorate it beautifully.

**CHEMISTRY**

# Make a separate file chemistry for Term-II and do these experiments in your chemistry with the help of given videos.

a. Determination of one anion and one cation in a given salt

( You can also refer your CBSE syllabus for the selection of cations and anions)

<https://youtu.be/5eBS6apmNL8b>

<https://youtu.be/qPjGbrd4nJw>

<https://youtu.be/IrMLXTw0528>

Note it down these short tricks for identification in your Chemistry file.

<https://youtu.be/yMChYvgTfkQ>

2. Detection of -Nitrogen, Sulphur, Chlorine in organic compounds.

<https://youtu.be/FUo428guKt0>

<https://youtu.be/foN9ibxBCYU>

<https://youtu.be/nAEliWnWt4Y>

B. Crystallization of impure sample of any one of the following: Alum, Copper Sulphate, Benzoic Acid.<https://youtu.be/MwlFgPskW34>

<https://youtu.be/SAU-gptAFe0>

<https://youtu.be/FggvNDlkJxo>

**# MAKE A PROJECT** scientific investigation involving laboratory testing and collecting information from other sources.

**POLITICAL SCIENCE**

Explain the composition and jurisdiction of the subordinate courts at the district level in India.

**HISTORY**

China is one of most ancient civilization. Justify the statement

Psychology

1. Watch any movie (Bollywood/Hollywood) and write a Psychology reflection on it in about 500-700 words.

Analyse and give your own interpretation of the movie based on some psychological factors that you have studied or have knowledge of.

1. Write the answers of NCERT questions of Chapter 4 and Chapter 5 in your notebooks.
2. Chapter 4: Make notes on Each developmental stage from infancy to old age writing about the characteristics of each stage along with the proper timeline.

**BIOLOGY**

1. Prepare a investigatory project on any topic of biology .

2. Revise the chapters done so far.

3. Complete your practical files

**PHYSICS**

* Write Activities discussed in class, from lab manual in your activity files
* Do the assignments given in class in your registers
* Make a chart on any one of the following topics :
* Climate and weather conditions of sikkim
* Hydro power plants located in sikkim
* Types of forests in sikkim

**PHE**

Labelled diagram of field and equipment of any one game of your choice