HOLIDAY HOMEWORK (XI & XII)

SESSION: 2024-25

Education is not just about going to school and getting a degree. It's about widening your knowledge and absorbing the truth about life.

MAY 18, 2024

VIKAS BHARTI PUBLIC SCHOOL
Sector-24, Rohini, Delhi

Index

परियोजना कार्य - हिंदी साहित्य के किसी भी कवि लेखक , काल , विधा , जनसंचार के माध्यम अथवा अन्य किसी भी विषय पर आधारित परियोजना बनाएं ।

CLASS XI - ENGLISH

English Class XI Pdf for Holiday Homework

CLASS XI - MATHEMATICS
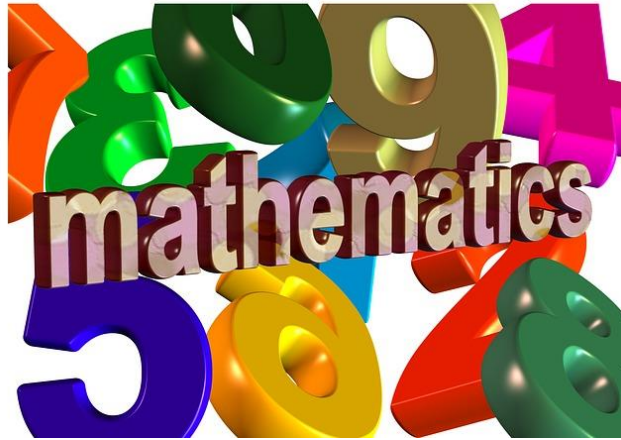
1. Do the assignments shared in class group.

2. Complete lab activities .

3. Prepare for UT exam.

CLASS XI - PHYSICS
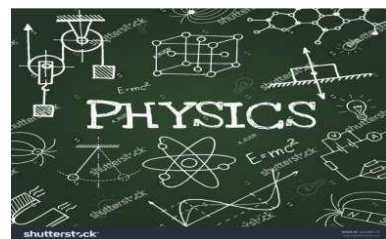
1. Complete the assignments shared in the Class WhatsApp group.

2. Complete the Practical 1A and 1B in File.

3. Revise the chapters done in class.
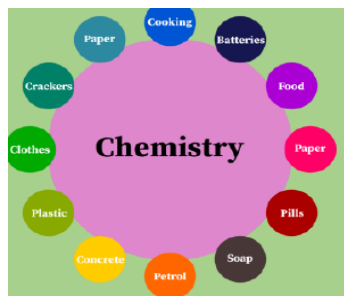
CLASS XI - CHEMISTRY

1. Revise the chapters done before summer holidays.

2. Do the assignments of chapter-2 (Atomic structure) in chemistry notebook.

3. Select anyone chemistry magical trick and write creatively about it in chemistry notebook.

CLASS XI - BIOLOGY

Students have to make an Investigatory Project on the topic discussed with the teacher.

How to write the report of the investigatory project?

A sample format on how to properly write the project report is given as follows:

Front Page / Cover Page

In this page you will have to write the Title of the project or name of the project that you are

working on.

It also should contain other information such as the name of the student; AISSCE roll

number; subject name and subject code.

Certificate

This page will contain a certificate that will certify your project.

It will have information like your project title, your name, roll number, guide teacher's name,

along with space for signature of the guide teacher and external practical examiner.

Acknowledgement

The page acknowledges individuals that have played a direct or indirect role in completing

your project work.

Table of Contents

This page contains all the major headings and sub headings of your project.

It should contain the respective page numbers also.

Objective / Aim of the project

This page expresses the aim of the project as clearly as possible.

Introduction / Theory

This should give a general idea of the project that you have worked on and should introduce

the reader to your project'

Materials required

In this page all the materials or apparatus used are mentioned.

Procedure

In a simple manner, write the steps that you have followed during your experiment/

investigation. You may include a diagram or photo of the experimental setup.

Observation / Result

Once the experiment is performed you should record your observations.

You can represent your observations in the form of a table or chart or text or pictures or a

combination of these

Analysis and interpretation

Based on the observations, analyse your data.

Precaution

Mention all the precautions that should be followed during the experiment.

Conclusion:

Based on the results obtained and related work done, write the conclusion briefly.

You may also write whether the objectives of your project have been met or not.

Bibliography / References

This should be the last page of your project write up.

Here you should mention all the resources that you have used in terms of articles/books or

URLs while working on the project.

CLASS XI - INFORMATICS PRACTICES

1. Prepare the presentation on Chapter-4 **Introduction to the Emerging Trends** Topics involved: Artificial Intelligence, Machine Learning, Natural Language Processing, Immersive experience (AR, VR), Robotics, Big data and its characteristics, Internet of Things (IoT), Sensors, Smart cities, Cloud Computing and Cloud Services (SaaS, IaaS, PaaS); Grid Computing, Block chain technology.

2. Prepare for UT-1

CLASS XI – COMPUTER SCIENCE

1. Prepare the presentation on Chapter-1: Computer Systems and Organisation
   ● Basic computer organisation: Introduction to Computer System, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory (bit, byte, KB, MB, GB, TB, PB) ● Types of software: System software (Operating systems, system utilities, device drivers), programming tools and language translators (assembler, compiler, and interpreter), application software ● Operating System(OS): functions of the operating system, OS user interface ● Boolean logic: NOT, AND, OR, NAND, NOR, XOR, NOT, truth tables and De Morgan's laws, Logic circuits ● Number System: Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems ● Encoding Schemes: ASCII, ISCII, and Unicode (UTF8, UTF32)

2. Prepare for UT-1

CLASS XI - ACCOUNTANCY

1. In your Accountancy notebook, do the assignment shared in the class group.

2. Practise for UT 1.

CLASS XI - BUSINESS STUDIES

1. Do and submit the Assignment Worksheet shared in the class group.
2. Prepare taught chapters for UT 1.

CLASS XI - ECONOMICS

1. Prepare the project file on the topic alloted to you in class .

2. Revise and cover the back questions of chapter 1,2,3 and 4 of Microeconomics book as per TR Jain and VK Ohri.

Project work as per CBSE guidelines and discussion done in the class.

Project work as per CBSE guidelines and discussion done in the class.

CLASS XI - HISTORY
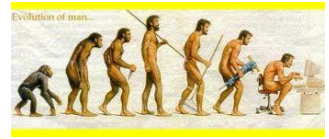
Project work as per CBSE guidelines and discussion done in the class.

CLASS XI - PHYSICAL EDUCATION

1. Diagram /Layout of 400 meter Track
- List of track and field events
- Staggers (400m Track) From Lane no.2 to 8.

2. Any one game of your choice from the below list.
- Taekwondo
- Swimming
- Lawn tennis
- Badminton
- Table tennis

3. Draw labelled diagram of field /ground /court and equipments
- History of the game
- Rules and regulation
- Skills
- Terminologies

CLASS XI - YOGA

Project File work

- Surya namaskar
- Write importance of surya namaskar, expalin 12 steps, with pictures

PRACTICAL FILE WORK

- Mudra (hand Gesture during Yoga practice)

1.Prana Mudra

2. Gyan Mudra

3. Surya Mudra

4. Vayu Mudra

5. Shaanya Mudra

6. Apan Mudra

7. Prithvi Mudra(write importance of mudra, procedure, Benefits) with pictures.

- Balance Diet

Role of major and minor nutrients in the diet.

- Basic types of asanas.

1.Standing Asanas

2. Sitting Asanas

3. Meditative Asanas

4. Supine line Asanas

5. Prone line Asanas

6. Balancing Asanas

7. Relaxative Asanas

Explain any two asanas for each. (Technique, benefits,contraindication) With pictures.

(Write origin of yoga, history of yoga , importance of yoga)

CLASS XI - PAINTING

<u>REVISE</u>

Revise

1.Male torso

2. Mother goddess

3. Bull seal

4. Wizard's dance

5. Dancing girl

<u>PRACTICAL</u>

1. Compositions (picture will be shared in the WhatsApp group)

2. Human anatomy in sketch file

CLASS XI - PSYCHOLOGY

1. To revise and complete notes, assignment for chapter- 1 and 2

2. Conduct a survey on adolescents (13-18 years) to study the effect of

   electronic media on their academic performance (Sample size- minimum of

   10 adolescents).

AWARENESS WELLNESS THERAPY BENEFITS RISK RESEARCH GRIEF STIGMA WORRIED RELATIONSHIPS TRAUMA IQ POSTPARTUM CRISIS SELF HARM PSYCHOLOGY SUICIDE POST-TRAMATIC STRESS PSYCHOLOGICAL MENTAL DEPRESSION CLINICAL ANOREXIA OPTIMIST BIPOLAR STRESS UNHAPPY GRIEF ANXIETY HEALTH GENETIC PHOBIA ATTITUDE TREATMENT EMOTIONS DRUGS COGNITIVE

CLASS XII - HINDI

परियोजना कार्य - हिंदी साहित्य के किसी भी कवि लेखक , काल , विधा , जनसंचार के माध्यम अथवा अन्य किसी भी विषय पर आधारित परियोजना बनाएं ।

CLASS XII - ENGLISH

1.Revise all the chapters done in the class.

2.Prepare any chapter from prose to share your review on it. (Speaking activity for ASL)

CLASS XII - MATHEMATICS

1. Do the assignments shared in class group.

2. Complete lab activities

3. Prepare for UT exam.
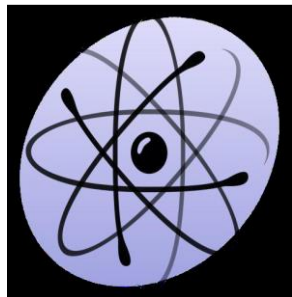
CLASS XII - PHYSICS

1. Do the assignment shared in the Class WhatsApp group.
2. Complete the **Practical File** with experiments 1 and 2, **Activity file** (with 6 activities shared in class group), **Project report**
3. Revise chapters done in class.

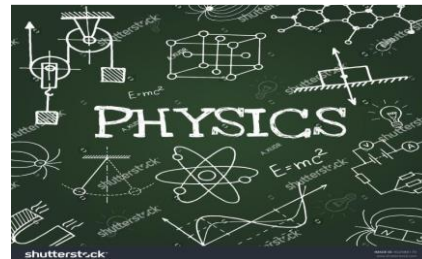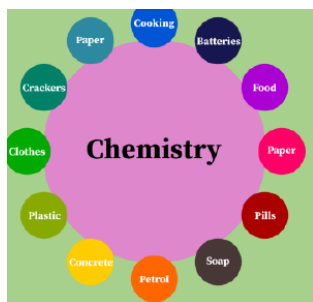# CLASS XII – CHEMISTRY

Prepare a project involving scientific investigations by using power point.

A few suggested Projects -

1. Study of the presence of oxalate ions in guava fruit at different stages of ripening.

2. Study of quantity of casein present in different samples of milk.

3. Preparation of soybean milk and its comparison with the natural milk with respect to curd formation, effect of temperature, etc.

4. Study of the effect of Potassium Bisulphate as food preservative under various conditions (temperature, concentration, time, etc.)

5. Study of digestion of starch by salivary amylase and effect of pH and temperature on it.

6. Comparative study of the rate of fermentation of following materials: wheat flour, gram flour, potato juice, carrot juice, etc.

7. Extraction of essential oils present in Saunf (aniseed), Ajwain (carum), Illaichi (cardamom).

8. Study of common food adulterants in fat, oil, butter, sugar, turmeric power, chilli powder and pepper.

Note: Any other investigatory project related to chemistry can be chosen.

CLASS XII - BIOLOGY

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URLs while working on the project.

CLASS XII - INFORMATICS PRACTICES

1. Complete the project work on python.

2. Download any CSV file from Kaggle.com

3. Develop at least 20 questions on data analysis and 10 questions on data visualization

4. All programs can be written in colab file.

CLASS XII – COMPUTER SCIENCE

Create a Project to develop something practical and beneficial using Python file handling or Python-SQL connectivity. This project should be completed in groups of two to three students and initiated at least six months before the submission deadline. The primary objective is to identify and solve a real-world problem.

For instance, if a business struggles with generating invoices for GST claims, students could create a project that processes raw data (transaction lists), categorizes the transactions, applies the appropriate GST rates, and generates the necessary invoices.

Creativity is highly encouraged. Students can use various Python libraries to develop user-friendly applications, including games, school-related software, tools for assisting disabled peers, and mobile apps. Some projects may require additional learning, which should be supported and encouraged. It's essential for students to develop self-learning skills.

Students must avoid plagiarism and respect copyright laws while working on their projects. Teachers should ensure these guidelines are followed.

CLASS XII - ACCOUNTANCY

Complete the project work shared in the class group.

CLASS XII - BUSINESS STUDIES

Prepare the project on the selected topic referring to the document shared in the class group related to B.St Project.

CLASS XII - ECONOMICS

1. Prepare the project file on the topic alloted to you in class
2. Revise and complete back exercises and solved numericals of chapter 1,2,3 and 4 of Macroeconomics book as per TR Jain and VK Ohri.
3. Do Numericals based on all three methods and Real and Nominal GDP
4. Do Questions based on inclusion and non - inclusion of entries in National and domestic income.

CLASS XII - POLITICAL SCIENCE

Project work as per CBSE guidelines and discussion done in the class.
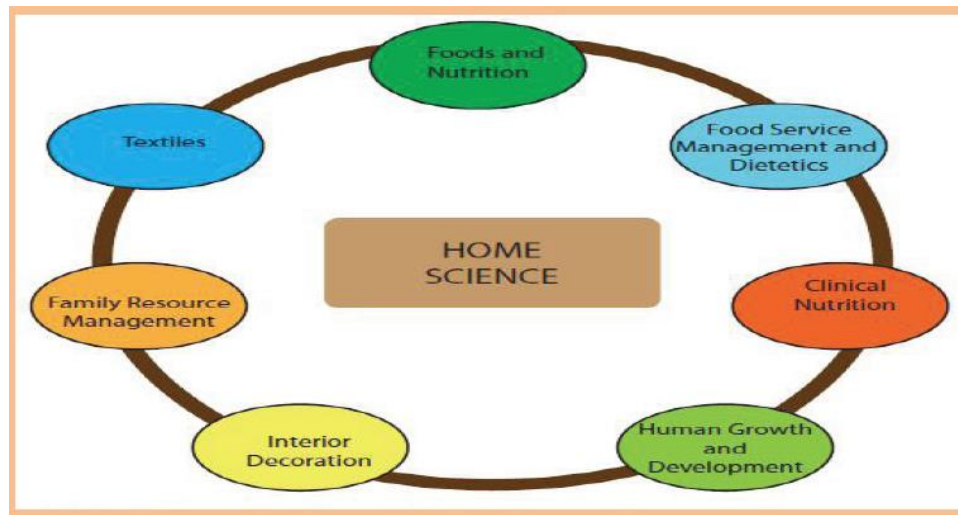
CLASS XII – SOCIOLOGY

Project work as per CBSE guidelines and discussion done in the class.

CLASS XII – HISTORY

Project work as per CBSE guidelines and discussion done in the class.

CLASS XII - HOME SCIENCE

Complete the five Practicals and Project work.

CLASS XII - PHYSICAL EDUCATION

Prepare the project on various practicals.

1.Practical-1 (fitness and test administration off all terms

SAI khelo india fitness test
- Body mass index
- Plate tapping test
- Flamingo Balance Test
- Partial curl up Test (30 second)
- Push-up (Boys) Modified for girls
- Sit and Reach test
- 600-meter Run/ walk
- 50 Meter speed test (Standing start)
  For above tests write purpose ,procedure,equipment and support with pictures
- NOTE: Refer to chapter –6 (Test ,measurement, in sports)

2. Practical –2 (Procedure for asanas, Benefits and contraindications for any two asanas for each lifestyle disease.

- Diabetes, Asthma, Hypertension, Backpain &Arthritis

  Note: Refer to chapter –3 (Yoga as Preventives measures for lifestyle diseases)

Practical-3 (Procedure for administrating senior citizen fitness test

Rikli Jones Senior citizen fitness test
- Chair stand test, Arm curl test, Chair sit and reach tset , Back stratch test, Eight foot up and go test, six minutes' walk test
- Write: purpose, procedure, scoring, support with Pictures
  NOTE: Refer to chapter-6

Practical-4 (Any one game of your choice from the given below list)

1.Basketball 2. Football 3. Kabaddi 4. Kho-kho 5. Volleyball 6. Handball   7. Cricket 8. hockey
- History of the game, Rules and Regulation of the game, Skills, Draw the labelled diagram of field, Ground/ Court/ and equipment , Terminologies.Support with pictures
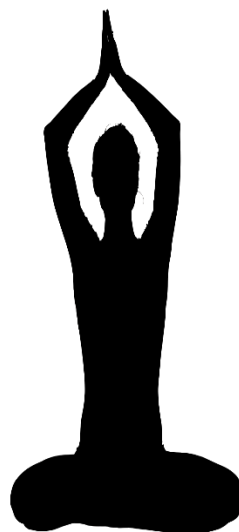
CLASS XII – YOGA

PROJECT FILE WORK

- Lifestyle diseases
  1. Hypertension
  2. Asthma
  3. Back pain
  4. Diabetes
  5. Obesity

Wite any two asanas for each Life style diseases (Procedure, contraindications,Benefits) With pictures.

PRACTICAL FILE WORK

- Surya namaskar
  Write importance of surya namaskar, expalin 12 steps, with pictures
- Basic types of asanas.
  1. Standing Asanas
  2. Sitting Asanas
  3. Meditative Asanas
  4. Supine line Asanas
  5. Prone line Asanas
  6. Balancing Asanas
  7. Relaxative Asanas

Explain any two asanas for each. (Technique, benefits,contraindication) With pictures.

- Shat karma
  1. Dhauti
  2. Basti
  3. Neti
  4. Trataka
  5. Nauli
  6. Kapalbhati

Write importance of Shat karma (Benefits, precautions) with pictures.

- Types of Bandhas
  1. Jalandhara bandha 2. Moola bandha 3. Uddiyana Bandha   4. Maha Bandha
  Write Technique, benefits, Contraindications.

CLASS XII - PSYCHOLOGY

1. To revise and complete notes, assignment for chapter- 1 and 2
2. Complete the practical file work as shared
3. Case profile to be prepared by interviewing an adolescent (refer to material shared)

AWARENESS
WELLNESS
THERAPY BENEFITS RISK RESEARCH GRIEF RELATIONSHIPS TRAUMA SELF HARM
STIGMA POSTPARTUM CRISIS PSYCHOLOGY
WORRIED IQ SUICIDE
MENTAL POST-TRAMATIC STRESS
PSYCHOLOGICAL
DEPRESSION HEALTH EMOTIONS
ANOREXIA CLINICAL ATTITUDE DRUGS
OPTIMIST BIPOLAR GRIEF GENETIC COGNITIVE
STRESS ANXIETY PHOBIA TREATMENT
UNHAPPY

CLASS XII - PAINTING

Revise

1) Rajasthani paintings

2) Pahari paintings

3) Mughal paintings

PRACTICAL

1) 5 compositions

2) Human anatomy in sketch file