

**SANT NISCHAL SINGH PUBLIC SCHOOL,
YAMUNA NAGAR**



HOLIDAYS ASSIGNMENT

SESSION (2024-25)

CLASS: XII

Dear Students

We all eagerly wait for holidays. We all make plans to enjoy, to relax and to empower ourselves during these gala days. This summer vacation the Holidays Homework, so designed by the mentors of the school is a medium for you all to achieve the motto of 'Fun and Learn'.

The activities and Art integrated assignments will foster curiosity, develop creativity, enhance knowledge and instill the joy of learning among you all. This will certainly help you discover a new you who is more enriched and confident and performs every action to perfection.



TIPS FOR SUMMER BREAK

- ❖ *“A healthy mind resides in a healthy body” - pay attention to your health, go for morning and evening walks, avoid consumption of junk food, eat healthy and stay healthy.*
- ❖ *Open your mind for reading newspapers, novels, blogs and stories that will help you in increasing your vocabulary.*
- ❖ *Watch Discovery Channel , History Channel, National Geographic Channel and BBC Earth for knowledgeable programs.*
- ❖ *Indulge yourself into activities like cooking, singing, dancing aerobics, cycling , trekking, swimming, art and craft and gardening.*
- ❖ *Appreciate nature and go for Nature Walk, Plant a sapling, water the plants . Spread the message of nature conservation.*
- ❖ *Remember to have a wide mouth container filled with water outside your house for the birds to get respite from the scorching heat.*



GENERAL INSTRUCTIONS THAT ARE TO BE FOLLOWED

- ❖ Revise the syllabus thoroughly covered till May.
- ❖ Use eco friendly material to prepare Models or Projects .
- ❖ Make the Project/ Models independently. Ask Parents for guidance and assistance only.
- ❖ Maintain the quality of work done.
- ❖ Write about your Project in a Project File(word limit –200 to 300 words)
- ❖ Minimize the use of gadgets.
- ❖ Develop a skill or hobby. Click photographs, record videos and note your achievements in your Portfolio File.

ENGLISH

Roll No: 1-12

Review on the Film “12 Fail”. Format and Submission

Length: Your report should be between 1500 to 2000 words.

Structure: Use headings and subheadings to organize your report.

Citations: If you refer to any external sources, make sure to cite them properly

Dear Students

As part of your holiday homework, you are required to watch the film “12 Fail” and prepare a detailed project report. This assignment will help you enhance your critical thinking, analytical and writing skills.

Project Report Guidelines

1.Introduction

Provide a brief introduction to the film “12 Fail.” Mention the director, main cast, release year, and the central theme of the film.

2.Summary

Write a concise summary of the plot, covering the main events without giving away any spoilers.

Highlight the key turning points in the story.

3.Character Analysis

Choose three main characters from the film.

Describe their personalities, roles, and significance to the story. Discuss how they evolve throughout the film.

4.Themes and Messages

Identify and explain the primary themes addressed in the film.

Discuss the messages the film conveys about society, education and personal growth.

5. Personal Reflection

Reflect on your personal response to the film.

What scenes or moments stood out to you and why?

How did the film impact your perspective on the themes it explored?

6. Conclusion

Summarize your overall impressions of the film.

Discuss the relevance of the film's message in today's context.

Roll No. 12-24

Task -1 Prepare 2 invitation cards on the occasion of Annual function and Science exhibition in your school(use eco friendly material)

Task-2 Prepare a newsletter covering important happenings in your city/locality(consider yourself as a press reporter)

Roll No.24 onwards

Prepare a survey report on brain drain (Take the interview of minimum 3 persons who have sent their wards to a foreign land)

PHYSICS

*** Student have to Prepare a Project Report/File on the topics given below (Project file will be of minimum 8 pages)**

Roll No:1,11,21 :To Study the Light Dependent Resistor

Roll No:2,12,22 :To Study the Charging and Discharging of Capacitors

Roll No:3,13,23 :Series and Parallel combination of Capacitors

Roll No:4,14,24 :To Investigate the new Emerging Electricity Generating Techniques

Roll No:5,15,25 :To Study the Lenz law of Electromagnetic Induction

Roll No:6,16,26:To study the resonance condition of an LCR Series circuit

Roll No:7,17,27 :To Study the Phenomenon of Electromagnetic Induction

Roll No:8,18,28 :To Study the Mutual Inductance of Two Adjacent Inductive Coil

Roll No:9,19,29 :To Study the Eddy Current Effect

Roll No:10,20,30 :To study the change in Path of light using Prism.

Roll No:31,33 :To Study the Magnetic Susceptibility of Magnetic Materials

Roll No:32,36 :Working of a Step down Transformer

Roll No:33,35 :Full Wave Rectifier Using Diodes.

Solve the assignments uploaded on ERP

CHEMISTRY

1.Solve the assignment uploaded on schoolpad application in your fair note books.

2.prepare an investigatory project report on following topics according to your roll numbers:

Roll No.1, 10,20, 30,19

● How to check hardness. (Volumetric Titration) water. (detection of Mg^{2+} and Ca^{2+} ion)

Roll No. 2,11, 21, 31

● Production of Bioethanol.

Roll No. 3, 12 ,22, 32

● Extraction of essential oil

Roll No.4,13,23,33

● Rusting of Iron

Roll No.5,14,24,34

● foaming capacity of different soaps.

Roll No.6,15,25,35

● To Study the presence oxalate ion's in guava fruit at different stages of ripening.

Roll No. 7, 16,26,36

- To separate pigments present in leaves by paper chromatography

Roll No.8,17,27,30

- To study the presence of carbohydrate in food Stuff.

Roll No.9,18,28,29,10

- Preparation of Iodoform.

BIOLOGY

1.Solve an assignment uploaded on Schoolpad application in your fair notebooks.

2.prepare an investigatory project report on following topics according to roll numbers mentioned below:

*Pollination by various agencies

(Roll no. 17,26)

*MTP: Medical Termination of Pregnancy

(Roll no. 14,24)

*Assisted Reproductive Technologies

(Roll no. 28,15)

*Sexually Transmitted Diseases

(Roll no. 16,25)

* Inheritance of blood group

(Roll no. 20,31)

* Modern life style and infertility

(Roll no. 18,21)

*Chromosomal disorders in human

(Roll no. 19,30)

*Amniocentasis

(Roll no. 22,24,32)

*Biodiversity conservation

(Roll no. 23,27,29)

3.Make a working model considering any of the following themes and make a relevant chart:

- **Eco-friendly materials as an alternative to harmful materials**
- **Bio-technology as a boon**
- **Beat plastic pollution**
- **Genetics**
- **Food safety**
- **Traditional methods of treatment and modern biology (fusion concept)**

MATHEMATICS(041)

*Solve the assignment uploaded on ERP

*Prepare a project on the following topic according to your roll no

- **Roll no 1-6** : Matrices and its types
- **Roll no 7-12** : Determinants
- **Roll no 13-18** : History of mathematicians and their contribution

● **Roll no 19-24** : Conic sections

● **Roll no 25-30** : A function which is one-one but not onto

- **Roll no 31-36** : Maxima and minima

APPLIED MATHEMATICS

*Revise ch 2,3&4 Do NCERT Exemplar and miscellaneous exercise questions in Maths notebook

*Prepare a project on the following topic according to your roll no

- **Roll no 1-6** : Matrices and its types
- **Roll no 7-12** : Determinants
- **Roll no 13-18** : History of mathematicians and their contribution
- **Roll no 19-24** : A function which is one-one but not onto
- **Roll no 25 onwards** : Maxima and minima

BUSINESS STUDIES

XII-C

Prepare project on following topics according to your roll number.

- **Roll No.17 to 22**- Prepare model on business environment.
- **Roll No. 23 to 28**- prepare project on rights & responsibilities of consumer.
- **Roll No.39 to 34** -Prepare project Report on principle of management.

XII-D

Prepare project on following topics according to your roll number.

- **Roll No.1 to 13**- Prepare model on business environment.
- **Roll No. 14 to 26** - prepare project on rights & responsibilities of consumer.
- **Roll No.27 to 38**-Prepare project Report on principle of management.

ACCOUNTANCY

XII-C

Prepare project on following topics according to your roll number.

- **Roll No.17 to 22**- Prepare model on commerce city(bank, atm.)
- **Roll No. 23 to 28**- prepare accountancy report on goodwill,factors affecting goodwill.
- **Roll No.29 to 34**-Prepare project Report on partnership firm

XII-D

Prepare project on following topics according to your roll number.

- **Roll No.1 to 13**- Prepare model on commerce city(bank, atm.)
- **Roll No. 14 to 26** - prepare accountancy report on goodwill,factors affecting goodwill.
- **Roll No.27 to 38**-Prepare project Report on partnership firm .

ECONOMICS

Prepare project on following topics according to your roll number.

- **Roll No.1 to 10.** Government Budget and Foreign exchange.
- **Roll No.11-20.** Balance of Payment and Banking
- **Roll No. 21 onwards** Money and Banking, Rural Development.

HINDI CORE(302)

* निम्नलिखित में से किसी एक विषय पर सचित्र प्रोजेक्ट फाइल बनाएं।

- 1 महादेवी वर्मा 2 हरिवंश राय बच्चन, 3 पाठ – पहलवान की ढोलक ,
4 पाठ -जूझ, 5 पाठ - अतीत में दबे पांव(मोहन जोदड़ो और हड़प्पा सभ्यता'
परियोजना कार्य करें।(15-20 पृष्ठ)

PSYCHOLOGY

Prepare a handwritten case profile on Psychological disorder. (The case profile must not exceed 20 pages.)

(Anxiety disorders, OCD, Trauma and stressor- related Disorders, Somatic symptoms and related disorders, Dissociative disorders, Depression disorders, Bipolar related disorder, Schizophrenia spectrum disorder, Neurodevelopment disorders, Eating Disorder, Substance related disorder)

Group-1 = Anxiety Disorders & Somatic Disorders (Roll No 1-3)

Group-2 = Depression & Bipolar related disorder (Roll No 4, 7 & 8)

Group-3 Neurodevelopment & Eating Disorders (Roll No 11, 14 & 18)

HISTORY

1- Prepare a handwritten Project File Consisting 15- 20 pages on the topic

"The Indus Valley Civilisation- Archeological Excavation and New Perspectives"

2 -Prepare a PPT on the topic " Mahatma Gandhi and the Nationalist Movement "

POLITICAL SCIENCE

- Roll no 1 to 7

Prepare a PPT on the role of international organisations in global politics(Eg UN , EU, NATO)

- Roll no 8 to 14

Prepare a Research Paper on United Nations role in Peace keeping and Conflict resolution

***Project File(Compulsory for all)**

Prepare a handwritten Project file on the Topic

Partition of India: Theory behind it and its legacy

MUSIC PERCUSSION(036)

Make Music practical file on all these topics:-

- Gharana – Delhi Gharana
- Definition – Uthan
- Write EkTaal , JhapTaal description &Taal notation system with thah, dugun, tigung, chaugun
- Write one Rela, three paltas&tihai in RupakTaal
- Biography – Pt. KishanMaharaj
- Laykari& it's varieties

HINDUSTANI MUSIC VOCAL(034)

Prepare Music practical file on the following topics –

- Raag – RaagBhairav (Description,Notation, Alap and taans)
- Taal – Rupak and Jhaptaal (thah , dugun, tigon, chaugun)
- Biography – Krishna Rao Shankar pandit (with headings and picture)
- Tanpura – Draw a picture of tanpura and give the detailed description of its parts

PAINTING

*Revise Deccan & mughal school of miniature painting

Sunset & sunrise seen with watercolor/ poster colour on A3 paper

COMPUTER SCIENCE

Start working on a mini-project that incorporates the concepts you've learned. It could be a simple application or you can work on projects that involve GUI programming with libraries like Tkinter.(database connectivity can be done later when taught in class) (Mandatory for CBSE practical)

WEB APPLICATION

1.Develop a Personal Project mandatory for CBSE practical)

Create a web application that interests you, such as a blog, portfolio, or a small e-commerce site.

2.Learn a New Framework:

Pick up a new web development framework like React, Angular, or Vue.js and build a project using it\

HPE (PRACTICAL)

S.NO STRAND PROJECT FILE

1 GAME

AND

SPORTS

ATHLETICS TRACK

1. Layout 400 Mt Track(Compulsory for everyone)

(All classes)

LONG JUMP

1. Layout Long Jump Pit

2. Runway

3. Long Jump Techniques

2 TEAM GAMES 1. Roll no 01 to 10 Draw a Badminton court

2. Roll No 11 to 20 Draw cricket ground

3. Roll No 21 to 30 Football ground

4. Roll No 31 to above Volley ball court

3 SEWA

PROJECT

1. Roll no 01 to 15 Dignity of Labor
2. Roll No 16 to 30 Care for Homeless Children.
3. Roll No 31 to above Family Budget.

PHYSICAL EDUCATION (THEORY)

Unit-1 Management of Sporting Events ----- Roll no 01 to 15.

Write a report on Athletic Meet for news paper A4 sheet. Make it creative by using Relevant picture and drawings

Unit -2 Children & women In Sports ----- Roll no 16 to 30.

Write a note* women up gradation in sports* what are the different aspects of sports* participation of women in sports has changed over the period of time.

Unit -3 Yoga as Preventive Measure for lifestyle Disease _____ Roll no 31 and above

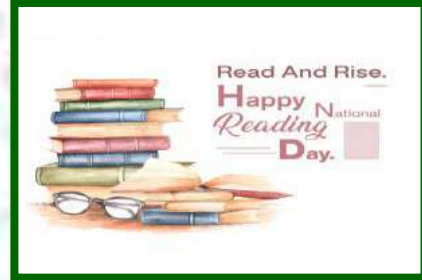
Yoga is not just for physical health but a cure to mental health .How?
Make a First Aid kit .What are the advantages of First Aid in sports.

DAYS TO REMEMBER.....

WORLD ANTI TOBACCO DAY 31 MAY



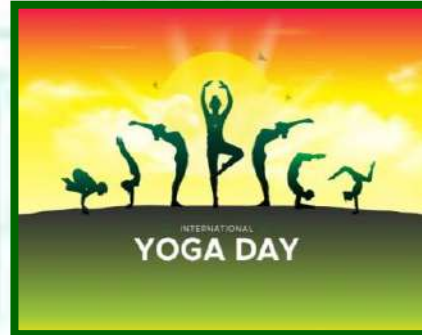
NATIONAL READING DAY 19 JUNE



WORLD ENVIRONMENT DAY 5 JUNE



INTERNATIONAL YOGA DAY 21 JUNE



WORLD OCEAN DAY 8 JUNE



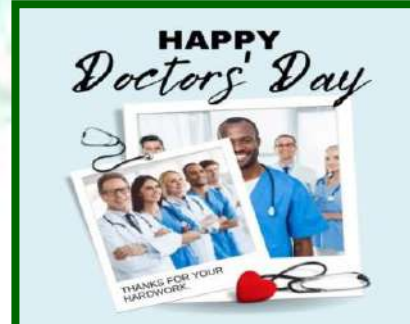
INTERNATIONAL DAY AGAINST DRUG ABUSE 26 JUNE



WORLD BLOOD DONATION DAY 14 JUNE



WORLD DOCTOR'S DAY 1 JULY



FATHER'S DAY 16 JUNE



INTERNATIONAL PLASTIC BAG FREE DAY 3 JULY



Happy
Holidays