

SANT NIRANKARI PUBLIC SCHOOL

AVTAR ENCLAVE

HOLIDAY HOMEWORK

SESSION 2024-25

CLASS XI

Instructions:

- ❖ The holiday homework carries marks.
- ❖ All the project drafts are to be submitted in soft copy by the given date to the respective subject teachers.



ENGLISH

Make any one of the following projects according to the groups assigned to you by the teacher and follow all the instructions given in the class group:

- Ch- Portrait of a lady (Theme- Comparison of lives in city and country side)
- Ch- We're not afraid to Die (Theme- ability to face dangers and adversity with courage and determination)
- Ch-The Address (Theme- The effects of war on a common man and his life)

- Ch- The Summer of the Beautiful White Horse (Theme- Honesty, Honour and Trust: strongest pillars of life)
- Poem- Photograph (Theme- Loss of memories and the transience of life)
- Ch- Discovering Tut: The Saga Continues (Theme- The Historic documentation of the life and death of King Tut)

INFORMATION TECHNOLOGY

Instruction:

❖ *Do the question in A4 size sheets. Presentation must be creative and perfectly designed and can be done in Tabular format. Keep the sheets in your project file.*

❖ *Your Project file must be decorated.*

1. What are various categories of software?
2. What are RAM and ROM? How are they alike? How are they different?
3. What is an Operating System? List the various functions of an operating system and explain different types of Operating Systems.
4. Explain TCP/IP Model.
5. Prepare a PowerPoint presentation on the topic

“Online quiz – Internet and phone safety for school children”

Guidelines for the Project:-

- a) Presentation must not exceed more than 10-12 slides
- b) Submission of the PPT must be in a soft copy. Email the soft copy at: tech.ae@snps.edu.in (the subject of mail should contain your name, class, and section)
- c) Take the Colour print out of your presentation and keep it in your project file
- d) Your project file must be decorated.

INFORMATICS PRACTICES

Instruction: *Do the question in A4 size sheets. Presentation must be creative and perfectly designed and can be done in Tabular format. Keep the sheets in your project file.*

1. Explain the different types of Operators used in Python.
2. What are various categories of software?
3. What are RAM and ROM? How are they alike? How are they different?
4. Prepare a PowerPoint presentation on the topic

"Python applications in the Real world"

Guidelines for the Project:-

- Presentation must not exceed more than 10-12 slides
- Submission of the PPT must be in a soft copy. Email the soft copy at: tech.ae@snps.edu.in (the subject of mail should contain your name, class, and section)
- Take the Colour print out of your presentation and keep it in your project file
- Your project file must be decorated.

Important Instructions for Programs

- ❖ Indent should be taken care of while writing in notebook.
 - ❖ Case sensitivity should be taken care of.
 - ❖ All programs should be executed (either on IDLE or online platforms like Google Colab) for the proper output of the code.
 - ❖ All programs to be done in the school notebook.
 - ❖ Write coding solution for the following problems in your Notebook with the output.
6. WAP to enter first and last name, then display the full name.
 7. WAP to add two numbers entered by user.
 8. WAP to calculate the perimeter of a rectangle.
 9. WAP to calculate the area of a given triangle.
 10. WAP to Calculate simple interest.
 11. WAP to check whether a given number is positive, negative or zero.
 12. WAP to check whether a given number is even or odd.
 13. Program to find the total marks, percentage and grade of five subjects marks.
 14. Program to check whether a given year is leap year or not.
 15. WAP to print 1 to 10 numbers using for loop.

16. WAPto print multiplication table of any given number.
17. WAPto print the sum of the first ten odd numbers.
18. Write a Program in Python to calculate the area of an equilateral triangle.
19. Write a Program in Python to input the radius of a sphere and calculate its volume.

Formula is :

$$V = \frac{4}{3} * 3.14 * r^3$$

20. Write a Program in Python to obtain the temperature of 7 days (Monday to Sunday) and then display the Average temperature of the week.
21. Write a program to obtain three numbers and print their Sum.

ECONOMICS

Prepare the assigned project from the following and follow all the instructions given in the class group:

- ❖ 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)
- ❖ Effect on equilibrium Prices in Local Market (taking real life situation or recent news)
- ❖ Effect of Price Change on a Complementary Good (taking prices from real life visiting local market)
- ❖ Solar Energy, a Cost Effective Comparison with Conventional Energy Sources
- ❖ Any other newspaper article and its evaluation on basis of economic principles
- ❖ Bumper Production- Boon or Bane for the Farmer

POLITICAL SCIENCE

Make a project file on the allotted topic from the following

1. Constitution of India
2. Fundamental Rights
3. Election System in India
4. Federal structure of India

- | | |
|--------------------------------|---------------------|
| 5. Freedom | 6. Judiciary |
| 7. Panchayati Raj Institutions | 8. Political Theory |
| 9. Secularism in India | 10. Citizenship |

PHYSICAL EDUCATION

- ❖ Prepare a project on SEWA (Choose any one topic and prepare a project). For all Students

Topics:

- Energy conservation
- Save water
- Awareness regarding health
- Personal hygiene
- 3'R (Reduce, Reuse, Recycle)
- Green and Blue bins
- Swachha Vidyalaya Swachha Bharat
- Dignity of labour
- Care for homeless children's
- Importance of exercise
- Pollution (Air and Water)
- First Aid.

- ❖ Physical Education Practical File (Only for Physical Education students)

- **Practical-I:**

Fitness tests administration. (SAI KHELO INDIA TEST)

Topics: (a) Battery of Tests: (Age group 5-8 years | Class 1 to 3)

Sub topics:

- Body Mass Index
- Plate Tapping Test
- Flamingo Balance Test

(b) Age group 9-18+ years | Class 4 to 12

Sub topics:

- i. Body Mass Index
- ii. Partial Curl Up
- iii. Push Ups (Boys)/ Modified Push Ups (Girls)
- iv. Sit And Reach
- v. 600 Mt Run/Walk
- vi. 50M Dash (standing start)

• **Practical-II:**

Procedure for Asanas, Benefits and Contraindication for any two Asanas for each lifestyle disease.

• **Practical-III:**

Anyone one IOA recognized Sport/Game of choice. Labelled diagram of field and equipment and history of the game. Also mention its Rules, Terminologies and Skills.

Games

- i. Volleyball
- ii. Handball
- iii. Badminton

HISTORY

❖ THEMES IN WORLD HISTORY

Topics (Work on any one of the following allotted theme and follow the instructions discussed in class)

(a) The Legacy of Mesopotamia civilization with special reference town planning, Script and Writing system, Mathematics, Astronomy, Science and their calendar.

(b) The Roman Empire with special reference to Architecture, government and society.

- ❖ Revise all the themes covered in the class.

HINDI

- ❖ गायिकाओं में बेजोड़-लता मंगेशकर पर एक सचित्र सुंदर प्रोजेक्ट बनाइए जिसमें उनका जीवन परिचय, कार्यक्षेत्र तथा संगीत में उनके योगदान का वर्णन किया गया हो।
- ❖ कथा सम्राट मुंशी प्रेम चंद के जीवन एवं कार्यक्षेत्र पर एक सुंदर सचित्र प्रोजेक्ट बनाइए तथा उनकी किसी एक कहानी की समीक्षा कीजिए।

- ❖ एक फ़िल्म के निर्माण कार्य के सभी चरणों का क्रमबद्ध वर्णन करते हुए सुंदर एवं सचित्र प्रोजेक्ट बनाइए तथा किसी एक मनपसंद फ़िल्म की समीक्षा भी कीजिए ।

ACCOUNTANCY

- ❖ Prepare a project on the given topic and follow the instructions and guidelines given in class group:
 - Collection of source documents, preparation of vouchers, recording of transactions and classifying them with the help of vouchers.
- ❖ Revise the chapters completed so far.

MATHS

Make a working model on any one of the following topics according to the groups assigned to you in the class group:

- ❖ Types of functions
- ❖ Geometric shapes
- ❖ Derivative Machine
- ❖ Conic Section – 3D

BUSINESS STUDIES

- ❖ Prepare any one of the following projects and follow the instructions and guidelines given in class group:
 - 'Aids to Trade' – Choose any one aid to trade for example Insurance or Banking or Transportation etc.
 - Forms of business organizations.