



SAUPIN'S SCHOOL
SMART SCHOOL
PANCHKULA
SESSION: 2026-27
CLASS - X
SUMMER ASSIGNMENT

English Language

1. Do Picture Composition of Test paper- 6 in your project file. There must be a clear connection between the picture and your composition.
2. Write both the formal and informal letters from Test Paper-6 in your English Language notebook. Follow correct format, punctuation, and tone appropriate to each type of letter.
3. Make a list of twenty (20) phrasal verbs in your English Project File. For each phrasal verb, include:
 - a) Meaning
 - b) A sentence showing its correct usage

English Literature

Write summaries of Act III, IV and V of 'Julius Caesar' in your project file. Pasting pictures is compulsory.

हिंदी

साहित्य: 'संदेह' कहानी का विश्लेषण करते हुए पात्रों के व्यक्तित्व, व्यवहार और भूमिका का वर्णन कीजिए तथा कहानी में प्रस्तुत संघर्ष और उनके समाधान का वर्णन कीजिए।

पाठ-8 भीड़ में खोया आदमी को ध्यानपूर्वक याद करते हुए बढ़ती हुई जनसंख्या की समस्या पर प्रकाश डालते हुए जनसंख्या नियंत्रण के सुझाव लिखिए।

व्याकरण: आधुनिकता के नाम पर आज की युवा पीढ़ी अपने संस्कार, संस्कृति और रीति रिवाजों से दूर होती जा रही है। विश्लेषण करते हुए परियोजना कार्य तैयार करें।

पत्र लेखन:- इस बार आपने आज़ादी का अमृत महोत्सव एक अनाथ आश्रम में छोटे बच्चों के साथ मनाया, उन बच्चों के साथ बिताए हुए पल तथा खुशियों का वर्णन करते हुए अपने मित्र को पत्र लिखिए।

(यूनिट -1 में किए गए समस्त पाठ्यक्रम का अभ्यास कीजिए)

Mathematics

Make any two projects from the following topics given. Write a report of the same in your project file.

1. Practical applications of Trigonometry
2. Accounts & problems based on R.D
3. Graphical representation of income and expenditure of your house in one financial year. [Histogram and ogive]
4. Probability
5. Goods and service Tax
6. Menstruation – Cube, Cuboid and triangle.

Do the shared worksheets in your math notebook.

Physics

Write the following experiment in your lab manual

Experiment no: 1,4,8,10,18

Chemistry

Write the following experiment in your lab manual

Experiment no: 1 to 5 with all the subparts.

Biology

Write the following experiment in your lab manual

Experiment 1

Experiment 2 (Sub parts A to D)

Experiment 3 (Sub parts A to C)

Experiment 4 (Sub parts A to D)

Experiment 5 (Sub parts A to C)

Experiment 6

Experiment 7 (Sub parts A and B)

Experiment 8

History & Civics

Make a project on any one of the given topic.

1. Compare the Parliamentary and presidential forms of Government with reference to India and the USA.
2. Prepare a report on the contributions of any one of the following agencies of the United Nations: UNESCO/WHO/ UNICEF.

Geography

Prepare a Project report on any one topic:

- a) Transport in India
Development of Road, Rail , Water and Air routes.
- b) Environment
Wildlife conservation efforts in India.

Economics

Do any two from the following given assignments in your project file.

1. Topic -Consumer awareness and paste pictures related to consumer rights.
2. Survey 15 people from your neighbourhood about the type of taxes they pay. From your survey conclude which type of tax is easier to pay and why.
3. Visit a nearby store. Select five items of regular consumption. Notedown the impact of GST on these five products. Write the benefits of GST on producers, consumers and the government.
Each project should be at least 5-6 pages with relevant examples and pictures.

The following topic is mandatory for all the students.

Make a chart/ model on topic digital India. Also prepare PPT for the same.

Commercial Studies

1. Visit any commercial bank in your city, meet the staff and find out the procedure for opening the Savings bank account and Current Account. What facilities are available under such bank accounts online and Offline? What are the advantages of using a cheque and internet banking for making payments?
2. Prepare a report on different sources of raising Finance for all forms of business organizations.
3. From the daily newspaper, select and paste any 5 advertisements. Compare each of them with the essentials of a good advertisement. Also mention one merit and demerit of each advertisement.
(Do any two topics out of three. Each topic of commercial studies project should be of at least 6 to 7 pages with relevant explanation, examples and pictures.)
4. Make a model/chart on the topic DIGITAL INDIA. Also prepare PPT for the same. It's mandatory for all the students.

Computer Applications

Note: Write all the given programs in your computer practical file. Variable Declaration Table and Output window is mandatory with every program.

1. Using the switch statement, write a menu driven class to accept a number from the user:
 - a) To check and display whether a number input by the user is a composite number or not.
 - b) To find the smallest digit of an integer that has been input
Sample Input – 6524
Sample Output – Smallest digit is 2
For an incorrect choice, an appropriate message should be displayed.

2. An electronics shop has announced a special discount on the purchase of Laptops as given below

Category	Discount on Laptop
Up to ₹25,000	5.0%
₹25,001 - ₹50,000	7.5%
₹50,001 - ₹1,00,000	10.0%
More than ₹1,00,000	15.0%

Define a class Laptop described as follows:

Data members/instance variables:

name, price, dis, amt

Member Methods:

1. A parameterised constructor to initialize the data members
2. To accept the details (name of the customer and the price)
3. To compute the discount
4. To display the name, discount and amount to be paid after discount.

Write a main method to create an object of the class and call the member methods.

3. Define a class named FruitJuice with the following description:

Data Members:

int product_code - stores the product code number

String flavour - stores the flavour of the juice (e.g., orange, apple, etc.)

String pack_type - stores the type of packaging (e.g., tera-pack, PET bottle, etc.)

int pack_size - stores package size (e.g., 200 mL, 400 mL, etc.)

int product_price - stores the price of the product

Member Methods:

FruitJuice() - constructor to initialize integer data members to 0 and string data members to "".

void input() - to input and store the product code, flavour, pack type, pack size and product price.

void discount() - to reduce the product price by 10.

void display() - to display the product code, flavour, pack type, pack size and product price.

4. Write a program to accept two numbers and check whether they are twin prime or not. Use the function name as twin(). The function returns 1, if it is twin prime otherwise, return 0.

(Twin prime numbers are the prime numbers whose difference is 2).

e.g.: (5,7), (11,13), (17,19)..... are the twin prime.

5. Write a program by using class with the following specifications:

Class name — Characters

Data Members:

1. String str — To store the string

Member Methods:

void input (String st) — to assign st to str

void check_print() — to check and print the following:

- i) number of letters
- ii) number of digits
- iii) number of uppercase characters
- iv) number of lowercase characters
- v) number of special characters

6. Define a class called 'Mobike' with the following specifications:

Data Members:

int bno - To store the bike number

int phno - To store the phone number of the customer

String name - To store the name of the customer

int days - To store the number of days the bike is taken on rent

int charge - To calculate and store the rental charge

Member Methods:

void input() - To input and store the details of the customer

void compute() - To compute the rental charge

The rent for a mobike is charged on the following basis:

For first five days 500 per day

For next five days 400 per day
Rest of the days 200 per day

void display() - To display the details in the given format:

Bike no	Phone no.	Name	No. of days	Charge
*****	*****	*****	*****	*****

Physical Education

Learn and write unit syllabus of section B in note book.

Learn and write unit syllabus (cricket and football) terms in note book.

SUPW

Make a SUPW file and write all these projects in a creative way.

1. Four medicinal plants.
2. Cooking (Any one recipe).
3. Cloth bag.
4. Handmade Greeting Card.
5. Best out of waste.