

**Class VII**  
**Summer Holiday**  
**Homework(2023-24)**

**NOTE: - ALL THE WORK ASSIGNED WILL BE DONE IN SCHOOL PROJECT FILE.**

## SCIENCE

### Hydroponic gardening

Concrete jungles are described as a city or urban area which has a high density of large unattractive modern buildings and is perceived as an unpleasant living environment. The dense canopy of trees are replaced by the skyscrapers and huge buildings, the cars and trucks are the lions and elephants of this concrete jungle. But does all this gives us fresh air and good mental health. The urban areas are more warmer than its surrounding rural areas as they have increased energy consumption, air pollution, very less water percolation rate etc. The most obviously way to fight with this urban heat is by adopting hydroponic gardening which means vertical green walls or living walls.

Keeping this in mind, collect the information from media, newspaper, magazines, etc. and answer the following questions and attach this information in your project file. You can support your answer with pictures/graphs if required.

- 1) Mention few tips of green living in urban environment.
- 2) What are the benefits of hydroponic walls or green walls?
- 3) What types of plants are selected for indoor and outdoor green walls?
- 4) Do green walls need sunlight?
- 5) How to water these vertical green walls?

Note:-Read chapters taught and prepare.

## ENGLISH

\*Designing an advertisement is a powerful tool which demands persuasive skills.

1. Collect five advertisements of Indian brands from newspaper/magazine and paste in your project file.

2. Design an advertisement to attract tourist to one of the heritage sites of any one state of India.

\*Prepare a Dictionary writing minimum two words of each alphabet (new words) with meaning to enhance your vocabulary.

Cover it with beautiful cover.

Burlington app-

- a. Learn three words daily from academic list of Burlington App and mark them in your personal words list.
- b. Will solve Ch no 1 to 4 grammar worksheets.
- c. Course book Ch no 1 and Poem 1 in app

## FRENCH

Project- File work

1) Draw or paste a picture of your favourite animated character / cartoon character and describe him/her in French. The description should include name , age , nationality, place , physical features , likes, dislikes etc. Write 8-10 sentences in your own words For this activity kindly refer ch-2 text of the text book ( Enchanté 2 methode de français )

2) Find out the names and write in file

a) Famous French painter

b) French city famous for aerospace industry

c) Biggest port city of France

d) Who will be the official guest this year on French national day ( 14th july 2023 )

3) Watch the following poem/rhyme

<https://www.youtube.com/watch?v=bChrAwLzoSo>

Les parties du corps - Des os, il en faut - alain le lait (French body parts)

Note down all the body parts mentioned in this video

Workbook

Do question and answer ch- 2 in workbook ( Enchanté 2 cahier d'exercices)

Learn and Prepare for PT1 exam

## HINDI

1. जिस तरह से नागपुर के संतरे मशहूर है उसी तरह दिए गए शहरों और राज्यों की क्या-क्या चीजें मशहूर हैं लिखिए-

इलाहाबाद, कानपुर, फिरोजाबाद , कश्मीर , केरल, जयपुर, बनारस , आगरा, मुरादाबाद।

2. अपने किसी यादगार दिन या विशेष घटना को डायरी के रूप में लिखिए।

3. स्वरचित कविता कहानी लेख यात्रा वृत्तांत और संस्मरण लिखिए चयनित रचनाओं को विद्यालय पत्रिका में स्थान दिया जाएगा ।

4. अनेक शब्दों के लिए एक शब्द लिखिए।

( 1 से 20 तक )

5. श्रुतिसमभिन्नार्थक शब्द लिखिए।(1 से 20 तक)

6. अनेकार्थी शब्द लिखिए (1 से 10 तक)

## SANSKRIT

1 तीनों लकार(लट् लकार,लृट् लकार,लङ्ग लकार) के कोई से दस वाक्य बनाइये। (तीनों पुरुषों में )

2 भारत के प्रसिद्ध स्मारकों के नाम एवं स्थान लिखिए। ( चित्र सहित )

व्याकरण पुस्तक –पाठ-4,6,7 पुस्तक में करें

## SOCIAL STUDIES

1. Make a well documented project on any one of the rulers that you have studied in lesson 2(history).The project should not have more than 4 pages include the following tasks in a proper sequence.
  - Background of the dynasty of that ruler.
  - Family and court life of that ruler.
  - Ambitions and policies of that ruler
  - Military accomplishments
  - Pictures and portraits of that ruler and his palaces
2. Make a project on at least 2 people who have dedicated their lives to the upliftment of the position of women.
  - Their names and their photograph
  - A brief write up about their early life.
  - Association formed for women
  - Aims and programs of the association
3. Art-integration is a cross-curricular pedagogical approach that utilizes various aspects and forms of art and culture as the basis for learning of concepts across subjects. As a part of the thrust on experiential learning, art-integrated education will be embedded in classroom transactions not only for creating joyful classrooms, but also for imbibing the Indian ethos through integration of Indian art and culture in the teaching and learning process at every level. This art-integrated approach will strengthen the linkages between education and culture.”

**Under this project \*Ek Bharat Shrestha Bharat\* Programme of Government of India has paired State/UT, for Rajasthan is Nagaland.**

Groups have been already allotted to the students. Do a comparative study and adorn your file with beautiful hand made pictures or print outs and research over the given topic.

## MATHEMATICS

### **1. LAB MANUAL ACTIVITY (to be done in lab manual only)**

Activity no.1 To find the product of two given fractions.

Activity no.2 To find the quotient of two given fractions.

### **2. ACTIVITY (To be done in practical file)**

i) Write properties of integers of Addition, Subtraction, Multiplication and Division.

ii) Record the temperature of 10 different cities and also record the temperature of your city from 6:00 AM to 6:00 PM of any one day . Then, mark the highest and lowest temperature on the number line.

### 3. WORKSHEET(To be done in Maths copy)

#### (A) Fill in the blanks:

1. The additive inverse of -6 \_\_\_\_\_
2. The sum of two integers is always \_\_\_\_\_
3. Every positive integer is greater than \_\_\_\_\_
4.  $30 \times (-23) + 30 \times 14 =$  \_\_\_\_\_
5.  $1.1 \times 0.1 \times 0.01 =$  \_\_\_\_\_
6.  $\frac{3}{4}$  of 32 = \_\_\_\_\_
7. The value of 4kg 625g in gm will be \_\_\_\_\_
8. Find the value of  $3 \times 4/7 \div 7$  \_\_\_\_\_
9.  $0.99 \div 1.1 =$  \_\_\_\_\_
10.  $11.2 \times 0.15 =$  \_\_\_\_\_

### VII A (COMPUTERS)

1. Create a database 'Student'.
2. Create 2 tables in Student database:  
Table1- 'Student\_Details'  
Table2- 'Student\_Report'
3. Insert records into both the tables.
4. Show all the records of the tables.
5. Delete one record.
6. Alter table (add a column)
7. Insert data into the new column (update).
8. Drop a database.
9. Delete a table from the database.

Write all the queries in your project file, and draw the MySQL tables.

### VII B (COMPUTERS)

#### Number System Conversions

##### A. Fill in the blanks to each of the statements, converting the values from one number system to another.

1. 3 in decimal is equal to \_\_\_\_\_ in hexadecimal and \_\_\_\_\_ in binary.
2. 101 in binary is equal to \_\_\_\_\_ in decimal and \_\_\_\_\_ in octal.
3. 10 in octal is equal to \_\_\_\_\_ in decimal.

4. 31 in decimal is equal to \_\_\_\_\_ in hexadecimal and \_\_\_\_\_ in octal.
5. 71 in decimal is equal to \_\_\_\_\_ in hexadecimal.
6. 1011101 in binary is equal to \_\_\_\_\_ in decimal and \_\_\_\_\_ in hexadecimal.
7. 628 in decimal is equal to \_\_\_\_\_ in binary and \_\_\_\_\_ in octal.
8. 709 in decimal is equal to \_\_\_\_\_ in octal.
9. 875 in decimal is equal to \_\_\_\_\_ in octal and \_\_\_\_\_ in hexadecimal.
10. 1,000 in decimal is equal to \_\_\_\_\_ in octal.
11. 4 in decimal is equal to \_\_\_\_\_ in octal.
12. 9 in decimal is equal to \_\_\_\_\_ in hexadecimal.
13. 18 in decimal is equal to \_\_\_\_\_ in octal and \_\_\_\_\_ in binary.
14. 72 in decimal is equal to \_\_\_\_\_ in Hexadecimal.
15. 1001100 in binary is equal to \_\_\_\_\_ in decimal.
16. 87 in decimal is equal to \_\_\_\_\_ in hexadecimal and \_\_\_\_\_ in octal.
17. 92 in decimal is equal to \_\_\_\_\_ in hexadecimal.
18. 1EF in hexadecimal is equal to \_\_\_\_\_ in decimal.
19. 1010001001 in binary is equal to \_\_\_\_\_ in decimal.
20. 800 in decimal is equal to \_\_\_\_\_ in octal and \_\_\_\_\_ in hexadecimal.

**B. Solve the following:**

**1. Binary Addition:**

- i.  $10010 + 1100$
- ii.  $1011101 + 1000000$
- iii.  $10011 + 1111101$
- iv.  $10011001 + 100111$
- v.  $1001100 + 1100101$
- vi.  $11000011 + 101111$

**2. Binary Subtraction:**

- i.  $1001110 - 100110$
- ii.  $1001010 - 101001$
- iii.  $1101010 - 101101$
- iv.  $1000010 - 100001$
- v.  $1000110 - 100100$
- vi.  $1001010 - 100011$

### 3. Calculate Product:

- i.  $1101 \times 100$
- ii.  $10110 \times 101$
- iii.  $101 \times 111$
- iv.  $1110 \times 10$
- v.  $100 \times 111$
- vi.  $10001 \times 110$

### MORAL SCIENCE

Involving children in domestic chores is very important to teach them a sense of responsibility, gain valuable skills or money management. Chores are vital in a child's childhood, and children should do chores.

During this summer break let's take up some responsibilities. Learn to help your parents in domestic duties by taking up the tasks of

cleaning your room

arranging clothes and books

arranging the shoe rack

watering plants

buying grocery

taking care of elder ones in the house etc.

Present a record of the responsibilities performed by you in the form of pictures and write ups.

**NOTE: -The above mentioned work will be assessed under the head Subject Enrichment Activity as a part of I Term results**