



**B.V.M. PUBLIC SCHOOL**  
**SESSION 2026-27**  
**SUMMER VACATION HOLIDAY HOMEWORK**  
**CLASS-VIII B**

**Subject: English**

**Task 1: Revision & Practice**

- Revise all chapters and notes completed in the class.
- Learn UT-1 Syllabus
- Complete your English work in the notebook.

**Task 2: Grammar Enrichment**

- Complete Chapters 1 and 2 in your Grammar book.

**Task 3: Speaking & Presentation**

- Prepare a **1–2 minute speech** on any One topic:

**1. “The Importance of Discipline in Student Life”**

**2. Managing Exam Stress**

**3. Impact of Social Media on Youth**

- Focus on:

- ♣ Clear pronunciation
- ♣ Proper pauses and expression
- ♣ Confident body language

**• Important Instruction:**

Students must be well-prepared and ready to present their speech in class as part of their holiday homework assessment.

**Task 4: Creative Writing (Story Writing)**

- Write a **mystery story** (about 100–120 words) on A-4 sheets.
- Begin your story with the line:

**“As I opened the old box in the attic, I found something that changed everything...”**

**OR**

**The Talking Pet**

***“I was shocked when my pet suddenly looked at me and said, ‘We need to talk.’***

**General Instructions**

- ☞ Maintain neatness and creativity in all tasks
- ☞ Highlight headings and decorate your work
- ☞ Submit your work in a neat folder/file

**विषय – हिंदी**

1. प्रथम इकाई परीक्षा पाठ्यक्रम याद कीजिए।

पाठ्यक्रम – पाठ्य पुस्तक – पाठ 1, 2

व्याकरण – पाठ 4, शब्द-विचार, अनुच्छेद

2. आपकी कक्षा के विद्यार्थियों के लिए पुस्तक मेला देखने जाना चाहते हैं। अपने विद्यालय के प्रधानाचार्य को निवेदन करते हुए पत्र लिखिए। (उत्तर पुस्तिका में)

3. अपनी उत्तर पुस्तिका में "मेक इन इंडिया" विषय पर 200–250 शब्दों में निबंध लिखिए।
4. प्रदूषण की समस्या और उसके समाधान दर्शाते हुए चार्ट पेपर पर स्लोगन लिखिए।
  1. ग्रीष्मकालीन अवकाश का अनुभव 120 शब्दों में ए-4 साइज शीट पर लिखिए।

### Subject-Maths

**Q-1 Using the prime factorization method, find which of the following numbers are perfect square.**

- i) 7776
- ii) 9801
- iii) 1024
- iv) 99856
- v) 1001

**Q-2 Find**

- i) 69<sup>th</sup> odd number
- ii) 38<sup>th</sup> even number

**Q-3 Find the square root by long division method**

- i) 5625
- ii) 1089
- iii) 11025
- iv) 5929
- v) 1176

**Q-4 Find the least square number which is exactly divisible by each of the numbers 9,15,20,36**

**Q-5 The area of square is 6241 sq m. Find its side.**

**Q-6 Solve using identities**

- i)  $(45^2 - 44^2)$
- ii)  $(61^3 - 60^3)$

**Q-7 If volume of a cube is 3087. Find its side.**

**Q-8 Evaluate**

- i)  $\sqrt[3]{729}$
- ii)  $\sqrt[3]{4913}$
- iii)  $\sqrt[3]{6859}$

**Q-9 By what least number should 23328 be divide to obtain a perfect cube?**

**Q-10 Prove that the diagonals of a square bisect each other at right angles.**

**Q-11 The angles of a quadrilateral are in the ratio 2:4:5:7. Find the measure of each angles.**

**Q-12 The perimeter of a square is 40cm . Find its area.**

**Q-13 Consider a circle with centre O. Line segments PL and AM are two perpendicular diameters of the circle. What is the figure APML? Give reasons.**

**Q-14 Do Experiment No. 1 to 5 in your Maths Lab Manual.**

**Q-15 Make a project on Magic of Square and Square Roots (Roll no. 1- 23)**

**Make a project on Magic of Cube and Cube Roots (Roll no. 24-46)**

**Q-16 Revise CH-1, 2 & 5.**

## Subject: Science

### Assignment

#### Section A: Very Short Answer Questions

1. Define microorganisms.
2. Why are bacteria called useful microorganisms?
3. What is fermentation?
4. Name one disease caused by viruses.
5. What is vaccination?

#### Section B: Short Answer Questions

1. Differentiate between fungi and bacteria.
2. Explain any four methods of food preservation.
3. Describe the role of microorganisms in making curd and bread.
4. What are communicable diseases? Give examples.
5. Explain nitrogen fixation in simple words.

#### Section C: Long Answer Questions

1. Explain the advantages and disadvantages of microorganisms with suitable examples.
2. Write a detailed note on food contamination and ways to prevent it.
3. Describe how vaccines protect our body from diseases.
4. Explain the causes, symptoms, and prevention of malaria.
5. Why should antibiotics be taken only on a doctor's advice? Explain.

#### Section D: Application-Based Questions (HOTS)

1. A family stored cooked food outside the refrigerator overnight. The next morning the food smelled bad.
  - A. Which microorganisms may have grown in the food?
  - B. Suggest preventive measures.
2. A student frequently falls sick after drinking water from roadside stalls.
  - A. What could be the reason?
  - B. Suggest two ways to make water safe for drinking.
3. Bread dough rises after a few hours when yeast is added.
  - A. Which process is responsible for this?
  - B. Explain in brief.
4. During the rainy season, mosquitoes increase rapidly in an area.
  - A. Which diseases can spread due to mosquitoes?
  - B. Suggest methods to control their breeding.
5. A doctor advised a patient to complete the full course of antibiotics.
  - A. Why is it important to complete the course?

#### Section E: Case Study-Based Questions

##### Case Study:

In a town, many people became sick after attending a community feast. Doctors found that the food had been prepared long before serving and was not stored properly.

##### Questions:

1. What type of microorganisms may have caused the illness?
2. How did the disease spread among people?
3. Mention three safety measures for handling food.
4. What steps should organisers take during future events?

## **Activity / Project Work**

### **Project 1: “Microorganisms Around Us”**

- Collect pictures of useful microorganisms.
- Write their uses in daily life.
- Include examples related to:
  - Medicine
  - Agriculture
  - Food preparation
- Decorate with diagrams and labels.

### **Project 2: “Healthy Living and Hygiene”**

Prepare a poster or pamphlet on any one topic:

- Hand washing habits
- Clean drinking water
- Prevention of mosquito-borne diseases
- Healthy food practices

Include:

- Slogans
- Drawings
- Preventive measures

### **Project – 3: Seed Germination**

- Observe the germination and growth of a plant seed for a few days. Take pictures at different stages of its growth, paste them in your project file, and also share the pictures on my personal WhatsApp

### **Fun Activity**

Make a small model/chart showing the “Life Cycle of a Mosquito” or “Steps of Bread Making Using Yeast.”

### **Instructions:**

- Do all written work neatly on A4 sheets.
- Use colored pens/pencils wherever required.
- Draw diagrams with proper labeling.
- Submit homework in a decorated folder/file.

## Subject: Social Studies

### Task 1:

Learn and revise all the topics covered in class thoroughly.

### Task 2:

#### Learn the UT-1 syllabus:

Chapter 1 and Chapter 6

### Task 3:

Revise all the maps completed till now.

### Task 4:

Prepare a short presentation on how a bill becomes an Act on A4 size sheet.

### Task :5

Draw a simple sketch of a future eco - friendly classroom powered by renewable energy.

## विषय -संस्कृत

1. कक्षा में कराये गये कार्य को उत्तर पुस्तिका में पूरा कीजिये तथा अनुवाद सहित याद कीजिए (पाठ 1,2,3) नम्, खाद् व पत् धातु सभी लकारों में लिखिये तथा याद कीजिए व साधु तथा मुनि शब्द रूप लिखिए तथा याद कीजिए ।

**उपपद विभक्ति भी याद कीजिए ।**

**2. पर्याय व विपर्याय ,संख्या** आदि व्याकरण याद कीजिए।

3. उपरोक्त **पाठ्यक्रम UT 1** के लिए याद कीजिए।

4. सूर्य नमस्कार के 12 आसनों से एक सुंदर चार्ट बनाए तथा मंत्र भी लिखिए।

5. नीचे दी गई कार्यपत्रिका का प्रिंट निकाल कर कॉपी में चिपक कर पूरा कीजिए।

## Subject- French

\* Make a poster in french using coloured sheets on save electricity. Use some slogans also.

\* Make a project on French culture and civilisation based on Leçon 0

\* Write 5-5 conjugations of any verbs( er , ir , re) on a chart paper.

\* UT-1 syllabus

Leçon- 0,1,2

Learn above chapters thoroughly for UT 1 exams .

## Subject – Drawing

1. Draw a Portait of a person who inspired you most (with pencil/charcoal/colour) on A3 size sheet.

2. Hand Painted Cloth Tote/Jute Bag -  
Paint a beautiful design on a plain cloth or jute bag using fabric/ acrylic colour  
(Design ideas: Quotes, Nature, Traditional Motifs etc.)

### **Subject – Computer**

Task 1: Do the following questions in your notebook.

Ques. 1: Differentiate between:

- (i) Mobile Apps and Web Apps
- (ii) Single OS and Multi OS
- (iii) CUI and GUI
- (iv) GUI and NUI
- (v) Windows and Linux
- (vi) Android and iOS

Ques. 2: Explain the different categories of apps.



**B.V.M. PUBLIC SCHOOL**  
**SESSION 2026-27**  
**SUMMER VACATION HOLIDAY HOMEWORK**  
**CLASS- VIII G**  
**Subject: English**

**Task 1-**

\* Learn and revise all the topics done in the class thoroughly.

**Task 2-**

\* Read the story, 'Drum Dream Girl' from your literature book and learn to pronounce the difficult words in it.

**Task 3-**

\* Solve Ch- 1 and 2 from your Grammar book.

**Task 4-**

\* Write a paragraph on 'A Day Without Smart Phones' in your English notebooks.

**Task 5-**

\* Solve the attached worksheet.

**Task 6-**

\* Watch an English movie, (A Beautiful Day in the Neighbourhood) and write its review on an A-4 size sheet and make a relevant and colourful picture to match.

**विषय – हिंदी**

1) प्रथम इकाई परीक्षा पाठ्यक्रम याद करें।

**पाठ्यक्रम**-पाठ्य पुस्तक पाठ - 1 और 2 , व्याकरण -शब्द विचार और अनुच्छेद लेखन

2) आप विश्व पुस्तक मेला देखने जाना चाहते हैं, प्रधानाचार्य को निवेदन पत्र लिखिए।(हिंदीउत्तर पुस्तिका में)

3) 'मेक इन इंडिया 'पर निबंध लेखन अपने उत्तर पुस्तिका में 200 से 250 शब्दों में लिखिए।

4) पितृ दिवस (Father's day) के उपलक्ष पर अपने पिता के साथ बताएं किसी खास दिन का विवरण और उनके साथ का अनुभव अपने शब्दों में a4 साइज शीट पर उनकी तस्वीर के साथ लिखें।

नोट:-लिखते समय सभी विराम चिन्हों का ध्यान से उपयोग करें।

5)A3 साइज शीट पर भारत के किसी चार राज्यों की विभिन्न वेश भूषा और खान पैन को दर्शाते हुए विविधता में एकता पर एक पोस्टर बनाइये

**Subject-Maths**

- Learn Squares and cubes of numbers from 1 to 20.
- Make one puzzle of your own on A4 sheet. Also make its solution.
- Complete lab activities from 1 to 5 in your lab manual.

**Solve the worksheet-**

**SECTION-A**

- Which of the following numbers will definitely not be a perfect square?  
(a) 1936                      (b) 2500                      (c) 1729                      (d) 1600
- Which of the following is not a perfect cube?  
(a) 2197                      (b) 2744                      (c) 4913                      (d) 2500
- Which of the following square numbers will end with the digit 1?  
(a)  $15^2$                       (b)  $18^2$                       (c)  $21^2$                       (d)  $32^2$
- The smallest number by which 882 must be multiplied to make it a perfect square is:  
(a) 2                      (b) 3                      (c) 7                      (d) 11

**SECTION-B**

In the following questions 5, a statement of assertion (A) is followed by a statement of reason (R). Choose correct answer out of the following choices.

- (a) Both A and R are true and R is the correct explanation of A.  
(b) Both A and R are true but R is not the correct explanation of A.  
(c) A is true but R is false.  
(d) A is false but R is true.
- Assertion (A): No cube can end with exactly two zeros.  
Reason (R): Cube numbers always contain factors grouped in triplets.

**SECTION-C**

- Find the smallest square number which is exactly divisible by 12, 15, and 20.
- Find the smallest number by which 1536 must be divided so that the quotient has a cube root. Also, find the cube root of the quotient.

**SECTION-D**

8. Case Study – (Squares and Odd Numbers)

Riya was reading about ancient Indian mathematicians. She discovered that square numbers can be expressed as the sum of consecutive odd numbers. She tried with 36:

$$36 = 1 + 3 + 5 + 7 + 9 + 11.$$

She wondered if she could find other squares this way. She also noticed that the number of odd numbers added equals the square root of the number.



Answer the following:

- (i) Express 49 as the sum of consecutive odd numbers.
- (ii) How many odd numbers are required to express 121 as a sum?
- (iii) Find whether 50 can be expressed as the sum of consecutive odd numbers.
- (iv) If 2025 is a perfect square, how many odd numbers will be required to express it?

**Subject: Science**

A. Learn Ch 1,2,3,4 for UT-2 and complete your notebook.

B. Do the given assignments.

C. Chose any 5 topics to do your research:-

1. Spot everyday mysteries?

Prepare a Presentation. ( Any 5 )

2. Get information and prepare a list about fermented food eaten in different states of India .

3. How a daily routine ( dincharya ) and a seasonal routine ( ritucharya ) help one's body constitution ( prakriti) to stay healthy?

4. Research the kinds of healthy foods commonly eaten in various states and make a short report on how local diets contribute to overall health.

5. Design a colourful poster showing different types of forces ( push ,pull, friction,gravitational,magnetic) with labelled everyday examples such as a football kick, a magnet attracting pins or a ball falling. Pg no.88 in book.

6. Try to find out laws, which the architect should adhere to while designing an earthquake resistant building.

7. Construct a 3D model of inside layers of the Earth using thermocol sheet and water colour.

8. Use clay balls or beads to creat model of solids,liquids and gases. Arrange the balls tightly for solids,loosely for liquids, and far apart for gases to represent interparticle spacing.

9. Write a short story or poem about how solubility and density play a role in everyday life. For example, You could write about how a fish breathe Underwater or a chef preparing the perfect lemonade.

10. Make a circular 'Moon phase Wheel' showing all eight phases of the Moon. Draw arrows to show how the Moon moves around the Earth. Also show how the Moon looks different each night .( Book pg. 208)

Note - Use a thin booklet to make your reports ,A4 size sheet for making posters.

# Must do activity- (2 Marks)

Plant one plant, paste photo in scrap book and share your photo with Science teacher in Summer break.

**Subject: Social Studies**

\* Revise all the chapters done so far.

\* Paste the worksheets, map work in Social Science notebook.

\* Complete Project work in Social Science Scrap Book.

**Project:**

\* A project on “Indian Constitution and its makers”. Focus on the main features of Indian constitution and on some of the important persons who have contributed immensely to write Indian Constitution.

\* List the Fundamental Rights and Fundamental Duties of Indian citizens as per the Constitution.

\* Write the 10 Indian states and their Chief Minister, capital, festival, language, building/monument, dresses too.

**Map Work:**

\* Locate all Indian states, capitals, and Union Territories on a map, then paste it into your notebook.

**\* Worksheet:**

1. Why is resource conservation important?
2. Define sustainable development?
3. Mention any five functions of the Indian Parliament.
4. Why are human beings considered as a Human Resource?
5. Difference between biotic and abiotic resources with examples.
6. Differentiate between ordinary and money bill.
7. Define human-made resources with examples.
8. Explain the relationship between the Legislature and Executive in a parliamentary system.
9. “Parliamentary system ensures a responsible government but may lead to instability”. Discuss with examples from India.
10. Define Legislative Assembly, Unicameral, Bicameral, Judicial Review, Civil Servant, Governor,

## विषय -संस्कृत

1)कक्षा में कराये गये कार्य को उत्तर पुस्तिका में पूरा कीजिये तथा अनुवाद सहित याद कीजिए (पाठ 1,2,3) नम्, खाद् व पत् धातु सभी लकारों में लिखिये तथा याद कीजिए व साधु तथा मुनि शब्द रूप लिखिए तथा याद कीजिए ।

उपपद विभक्ति भी याद कीजिए ।

2)पर्याय व विपर्याय ,संख्या आदि व्याकरण याद कीजिए।

3) उपरोक्त पाठ्यक्रम UT 1 के लिए याद कीजिए।

4) संस्कृत साहित्य के प्रसिद्ध कवियों व काव्यों का संग्रहण A 3 साइज़ शीट पर कीजिए। तथा संस्कृत की उत्तरपुस्तिका में 15 सुलेख संस्कृत में दीपकं पुस्तक से लिखिए।

5) नीचे दी गई कार्यपत्रिका का प्रिंट निकाल कर कॉपी में चिपक कर पूरा कीजिए।

Class - 8  
कक्षा - अष्टमी



शीघ्रकातीनं  
गृहकार्यम्

Sub. - Sanskrit  
विषय: - संस्कृतम्

१. निम्नलिखितवाक्येषु उचितक्रियापदानि लिखत।  
(निम्नलिखित वाक्यों में उचित क्रियापद लिखिये)

- > सः \_\_\_\_\_। ( भ्रमति, भ्रमसि, भ्रमतः )
- > यूयम् \_\_\_\_\_। ( वदथ, वदन्ति, वदामः )
- > आवां \_\_\_\_\_। ( पिबामि, पिबतः, पिबावः )
- > वयम् \_\_\_\_\_। ( स्मरति, स्मरामः, स्मरथः )
- > त्वम् \_\_\_\_\_। ( खादसि, खादामि, खादति )



२. अधोलिखितधातूनां लोट्लकारे रूपाणि लिखत। (निम्नलिखित धातुओं के रूप लोट्लकार में लिखें)

धातुः	एकवचनम्	द्विवचनम्	बहुवचनम्
वद् (वोतना)	वदतु वद वदानि	वदताम् वदतम् वदाव	वदन्तु वदत वदाम
लिख् (लिखना)			
खाद् (खाना)			
रक्ष् (रक्षना)			

३. निम्नशब्दानाम् अर्थान् स्वपाठ्यपुस्तकात् चित्वा लिखत।  
(निम्न शब्दों के अर्थ पाठ्यपुस्तक से खोजकर लिखें।)

करी - हाथी	पिकः - _____	विस्मयः - _____	प्रच्छन्नः - _____
त्वरया - _____	कनकम् - _____	भग्नः - _____	अवज्ञा - _____
घनाः - _____	सत्वरम् - _____	तरवः - _____	भूयः - _____

४. अधः प्रदत्तानि शब्दरूपाणि दृष्ट्वा शब्दद्वयस्य इकारान्त-उकारान्तशब्दयोः रूपाणि लिखत। (नीचे दिये गये शब्दरूपों को देखकर एक इकारान्त और एक उकारान्त शब्द के रूप लिखें।)

"व"कारान्तः पुलिङ्गः "गुरु"-शब्दः				"इ"कारान्तः पुलिङ्गः "कवि"-शब्दः			
विभक्तिः	एकवचनम्	द्विवचनम्	बहुवचनम्	विभक्तिः	एकवचनम्	द्विवचनम्	बहुवचनम्
प्रथमा	गुरुः	गुरुः	गुरुः	प्रथमा	कविः	कवी	कवयः
द्वितीया	गुरुम्	गुरुम्	गुरुन्	द्वितीया	कविम्	कवी	कवीन्
तृतीया	गुरुण	गुरुभ्याम्	गुरुभिः	तृतीया	कविना	कविभ्याम्	कविभिः
चतुर्थी	गुरवे	गुरुभ्याम्	गुरुभ्यः	चतुर्थी	कवे	कविभ्याम्	कविभ्यः
पञ्चमी	गुरोः	गुरुभ्याम्	गुरुभ्यः	पञ्चमी	कवेः	कविभ्याम्	कविभ्यः
षष्ठी	गुरोः	गुरोः	गुरुभ्याम्	षष्ठी	कवेः	कव्योः	कवीनाम्
सप्तमी	गुरो	गुरोः	गुरुभ्युः	सप्तमी	कवी	कव्योः	कविषु
सम्बोधनम्	हे गुरो !	हे गुरु !	हे गुरुवः !	सम्बोधनम्	हे कवे !	हे कवी !	हे कवयः !

गुरु , साधु , भानु , तरु , प्रभु , शत्रु , मुनि , हरि , रवि , कपि , गिरि , अरि

५. तृतीयपाठस्य श्लोकान् सुलेखरूपेण पुस्तिकायां लिखत श्लोकमेकं च स्मरत। (पाठ-३ में दिये गये सभी श्लोकों को अपनी संस्कृत पुस्तिका में लिखें तथा उनमें से कोई एक श्लोक याद करें।)

### Subject- French

- \* Make a poster in french using coloured sheets on Ban plastic. Use some slogans also.
- \* Make a project on French culture and civilisation based on Leçon 0
- \* Write 5-5 conjugations of any verbs( er , ir , re) on a chart paper.
- \* **UT-1 syllabus : Leçon- 0,1,2**

Learn above chapters thoroughly for UT 1 exams .

### Subject – Drawing

1. Draw a Portait of a person who inspired you most (with pencil/charcoal/colour) on A3 size sheet.
2. Hand Painted Cloth Tote/Jute Bag -

Paint a beautiful design on a plain cloth or jute bag using fabric/ acrylic colour  
(Design ideas: Quotes, Nature, Traditional Motifs etc.)

### Subject – Computer

Task 1: Do the following questions in your notebook.

Ques. 1: Differentiate between:

- (i) Mobile Apps and Web Apps
- (ii) Single OS and Multi OS
- (iii) CUI and GUI
- (iv) GUI and NUI
- (v) Windows and Linux
- (vi) Android and iOS

Ques. 2: Explain the different categories of apps.



**B.V.M. PUBLIC SCHOOL**  
**SESSION 2026-27**  
**SUMMER VACATION HOLIDAY HOMEWORK**  
**CLASS- VIII R**

**Subject: English**

**Task 1: Revision & Practice**

- Revise all chapters and notes completed in the class.

Complete your English Notebook

Learn UT-1 Syllabus

**Task 2: Grammar Enrichment**

- Complete Chapters 1 and 2 in your Grammar book.

**Task 3: Speaking & Presentation**

- Prepare a 1–2 minute speech on any ONE of the following topics:

Importance of Cleanliness

Why We Should Recycle

The Benefits of Reading

**• Focus on:**

- ♣ Clear pronunciation
- ♣ Proper pauses and expression
- ♣ Confident body language
- Important Instruction:

Students must be well-prepared and ready to present their speech in class as part of their holiday homework assessment.

**Task 4: Creative Expression (Poster Making)**

- Make a creative poster on A-4 sheet.
- Use colours, slogans, and neat presentation.

Choose any ONE theme from the following:

1. Save Environment
2. Importance of Cleanliness
3. Say No to Plastic

**General Instructions**

- ⊞ Maintain neatness and creativity in all tasks
- ⊞ Highlight headings and decorate your work
- ⊞ Submit your work in a neat folder/file

**विषय – हिंदी**

- 1) प्रथम इकाई परीक्षा पाठ्यक्रम याद करें।

**पाठ्यक्रम-पाठ्य पुस्तक पाठ - 1 और 2**

## व्याकरण -शब्द विचार और अनुच्छेद लेखन

- 2) आप विश्व पुस्तक मेला देखने जाना चाहते हैं, प्रधानाचार्य को निवेदन पत्र लिखिए।(हिंदीउत्तर पुस्तिका में)
- 3) 'मेक इन इंडिया 'पर निबंध लेखन अपने उत्तर पुस्तिका में 200 से 250 शब्दों में लिखिए।
- 4) किन्हीं दो प्रसिद्ध कवियों के दोहे लिखते हुए उनके तस्वीर के साथ उनका विवरण A3 साइज सीट पर कीजिए ।
- 5) वर्तमान काल, भूतकाल और भविष्य काल पर 5 - 5 वाक्य का निर्माण कीजिए। (उत्तरपुस्तिका में)

### Subject-Maths

1. Learn Squares and cubes of numbers from 1 to 20.
2. Complete lab activities from 1 to 5 in your lab manual.
3. Solve the worksheet-

### SECTION-A

**1. Which of the following is a perfect cube?**

- (a) 27 (b) 36 (c) 45 (d) 50

**2. The cube of 4 is:**

- (a) 12 (b) 16 (c) 64 (d) 48

**3. Which of the following numbers has cube root 5?**

- (a) 25 (b) 100 (c) 125 (d) 150

**4. Which of the following numbers is not a perfect cube?**

- (a) 64 (b) 125 (c) 216 (d) 200

**5. Which of the following numbers is a perfect square?**

- (a) 121 (b) 130 (c) 145 (d) 150

**6. A number when squared gives 64. What is the number?**

- (a) 6 (b) 7 (c) 8 (d) 9

**7. Which of the following numbers will end with digit 9 when squared?**

- (a)  $13^2$  (b)  $14^2$  (c)  $16^2$  (d)  $18^2$

**8. The smallest number by which 45 must be multiplied to make it a perfect square is:**

- (a) 3 (b) 5 (c) 7 (d) 9

### SECTION-B

In the following questions 9 and 10, a statement of assertion (A) is followed by a statement of reason (R).

Choose the correct answer out of the following choices.

- a) Both A and R are true and R is the correct explanation of A.
- b) Both A and R are true but R is not the correct explanation of A.
- c) A is true but R is false.
- d) A is false but R is true.

1. Assertion (A): 8 is a perfect cube. Reason (R):  $8 = 2 \times 2 \times 2$

2. Assertion (A): The square of an even number is always even. Reason (R): Even numbers are divisible by 2.

### SECTION-C

1. Find the square of 75.

2. Find the square root of these numbers by prime factorization-

(i) 3600      (ii) 2025

3. Find the cube root of 343.

4. Find the smallest number by which 50 must be multiplied to make it a perfect cube.

**Subject: Science**

**Use Blue Pen and A4 Sheets**

**Section A: Very Short Answer Question**

1. What are microorganisms?
2. Why are viruses called living and non-living?
3. What is pasteurization?
4. What are antibiotics? Write one example.
5. How does a vaccine help our body?

**Section B: Short Answer Question**

1. Write any two differences between bacteria and viruses.
2. Explain useful and harmful microorganisms with examples.
3. Write four methods to prevent food spoilage.
4. Explain the role of microorganisms in the nitrogen cycle.
5. What is immunity? Write its types.

**Section C: Long Answer Questions**

1. What is food poisoning? Write its causes and preventive measures.
2. Classify diseases caused by:  
i) Bacteria ii) Viruses iii) Fungi  
iv) Protozoa

Give one example of each.

3. Explain the importance of vaccination.
4. Why can the misuse of antibiotics be dangerous?

5. "Microorganisms are both friends and foes." Explain with examples.

### **Section D: Application-Based Questions (HOTS)**

**1. In a village, people are frequently falling ill because they drink water from a nearby lake.**

i) What may be the cause?

ii) Suggest two solutions.

**2. Milk becomes sour when left in the open.**

i) Which microorganisms are responsible?

ii) Explain the process.

3. A doctor refused to give antibiotics for a viral infection. Explain the scientific reason.

**4. A student did not wash hands before eating and later got a stomach ache.**

i) What role did microorganisms play?

**5. What would happen if all bacteria disappeared from Earth?**

i) Write one positive effect.

ii) Write one negative effect.

### **Section E: Case Study Based Question**

#### **Case Study**

Several students in a school suffered from food poisoning because the canteen food was not properly covered.

Questions:

1. Which microorganisms might be involved?

2. How did the infection spread?

3. What are the preventive measures?

4. What precautions should the school take in the future?

#### **Project 1: Useful Microorganisms in Daily Life**

1. Prepare a scrapbook project on:

- i) Making of curd
- ii) Making of bread
- iii) Medicines prepared using microorganisms

**Instructions:**

1. Paste diagrams and pictures.
2. Use coloured headings.
3. Make neat labels.
4. Use blue pen for writing.

**Project 2: Communicable Diseases Awareness**

1. Choose any two diseases and write:

- i) Symptoms
- ii) Causes
- iii) Prevention

**Instructions for Students**

1. Do the complete worksheet on A4 sheets.
2. Maintain neat handwriting.
3. Use blue pen for writing.
4. Draw diagrams wherever needed.
5. Decorate the border neatly.
6. Submit the assignment on time.

**Activity:** Plant a sapling and paste the photo in the scrapbook

**Subject: Social Studies**

- \* Revise all the chapters done so far.
- \* Paste the worksheets, map work in Social Science notebook.
- \* Complete Project work in Social Science Scrap Book.

**Project:**

- \* List ten resources used in the kitchen. {Paste/draw their pictures}

- \* List ten natural & human-made resources seen in school campus.
- \* Write and learn the 'Preamble of the Indian Constitution'. {Use your creativity}

### **Map Work:**

- \* Locate and label states and union territories with their capitals on India map and paste in your notebook.

### **\* Worksheet:**

1. What is resource conservation?
2. What is sustainable development?
3. Mention any five principles of sustainable development.
4. Why are human beings considered as special resource?
5. Difference between biotic and abiotic resources with examples.
6. Differentiate between renewable and non-renewable resources.
7. Define human-made resources with examples.
8. Explain the relationship between the Legislature and Executive in a parliamentary system.
9. Write down all three lists {Union, State and Concurrent} subjects name.
10. Define Lok Sabha, Rajya Sabha, Union List, State List, Governor,

### **विषय -संस्कृत**

- 1) कक्षा में कराये गये कार्य को उत्तर पुस्तिका में पूरा कीजिये तथा अनुवाद सहित याद कीजिए (पाठ 1,2,3) नम्, खाद् व पत् धातु सभी लकारों में लिखिये तथा याद कीजिए व साधु तथा मुनि शब्द रूप लिखिए तथा याद कीजिए ।  
उपपद विभक्ति भी याद कीजिए ।
- 2) पर्याय व विपर्याय ,संख्या आदि व्याकरण याद कीजिए।
- 3) उपरोक्त पाठ्यक्रम UT 1 के लिए याद कीजिए।
- 4) संस्कृत की उत्तरपुस्तिका में प्रतिदिन एक सुलेख संस्कृत में दीपकं पुस्तक से लिखिए। ( कुल 30 सुलेख) तथा प्रत्येक पाठ से प्रतिदिन 10 संस्कृत शब्द अर्थ सहित याद कीजिए।
- 5) नीचे दी गई कार्यपत्रिका का प्रिंट निकाल कर कॉपी में चिपक कर पूरा कीजिए।

### **Subject- French**

- Make a poster in french using coloured sheets on Ban plastic. Use some slogans also.
- Make a project on French culture and civilisation based on Leçon 0
- Write 5-5 conjugations of any verbs (er , ir , re) on a chart paper.
- **UT-1 syllabus: Leçon- 0,1,2**

Learn above chapters thoroughly for UT 1 exams.

### **Subject – Drawing**

1. Draw a Portrait of a person who inspired you most (with pencil/charcoal/colour) on A3 size sheet.

**Hand Painted Cloth Tote/Jute Bag -**

2. Paint a beautiful design on a plain cloth or jute bag using fabric/ acrylic colour

(Design ideas: Quotes, Nature, Traditional Motifs etc.)

**Subject - Computer**

**Task 1:** Do the following questions in your notebook.

Ques. 1: Differentiate between:

- (i) Mobile Apps and Web Apps
- (ii) Single OS and Multi OS
- (iii) CUI and GUI
- (iv) GUI and NUI
- (v) Windows and Linux
- (vi) Android and iOS

**Ques. 2:** Explain the different categories of apps.

**Subject- GK**

- 1. Read or watch news for 5 days in a week and write five important news headlines for each week.



**B.V.M. PUBLIC SCHOOL**  
**SESSION 2026-27**  
**SUMMER VACATION HOLIDAY HOMEWORK**  
**CLASS-VIII Y**

**Subject: English**

**Task 1: Revision & Practice**

Revise all topics covered in class thoroughly.

Learn UT-1 Syllabus

Complete your English work in the notebook.

**Task 2: Grammar Enrichment**

Solve Chapters 1 and 2 in your Grammar book.

**Task 3: Speaking & Presentation**

Prepare a 1- 2 minute speech on any one topic:

- a) "Importance of Time Management"
- b) Importance of Attendance in School
- c) Cyber Safety for Teenagers

➤ **Focus on:**

Clear pronunciation

Proper pauses and expression

Confident body language

Important Instruction:

**Students should be well-prepared and ready to present their speech in class as part of their holiday homework assessment.**

**विषय – हिंदी**

**1. प्रथम इकाई परीक्षा पाठ्यक्रम याद कीजिए।**

पाठ्यक्रम – पाठ्य पुस्तक – पाठ 1, 2

व्याकरण – पाठ 4, शब्द-विचार, अनुच्छेद

2. आपकी कक्षा के विद्यार्थियों के लिए पुस्तक मेला देखने जाना चाहते हैं। अपने विद्यालय के प्रधानाचार्य को निवेदन करते हुए पत्र लिखिए। (उत्तर पुस्तिका में)
3. अपनी उत्तर पुस्तिका में "मेक इन इंडिया" विषय पर 200-250 शब्दों में निबंध लिखिए।
4. प्रदूषण की समस्या और उसके समाधान दर्शाते हुए चार्ट पेपर पर स्लोगन लिखिए।
5. इस ग्रीष्मकालीन अवकाश में अपनी कोई मनपसंद पुस्तक पढ़िए और उस पर दस पंक्तियों में बताइए कि आपको यह पुस्तक क्यों अच्छी लगी।

## Subject-Maths

- Learn Squares and cubes of numbers from 1 to 20.
- Make a short video of 10-15 minutes on any topic from math. Use chart paper, board or anything which is required for better understanding of the topic.
- Make one puzzle of your own on A4 sheet. Also make its solution.
- Complete lab activities from 1 to 5 in your lab manual.

**Solve the worksheet-**

### SECTION-A

**(1) Which of the following is not a perfect cube?**

- (a) 2197                      (b) 2744                      (c) 4913                      (d) 2500

**(2) The value of  $126^2$ , if  $125^2 = 15625$ , is:**

- (a)  $15625 + 126$               (b)  $15625 + 251$               (c)  $15625 + 253$               (d)  $15625 + 252$

**(3) The cube root of 3375 is:**

- (a) 12                      (b) 15                      (c) 18                      (d) 25

**(4) Which of the following numbers is not a perfect cube?**

- (a) 1331                      (b) 512                      (c) 1000                      (d) 2000

### SECTION-B

- In the following questions 5, a statement of assertion (A) is followed by a statement of reason (R). Choose the correct answer out of the following choices.
  - Both A and R are true and R is the correct explanation of A.
  - Both A and R are true but R is not the correct explanation of A.
  - A is true but R is false.
  - A is false but R is true.

**(5) Assertion (A):** A square number always has an odd number of factors.

**Reason (R):** Square numbers have one unpaired factor which is repeated.

### SECTION-C

(6) Find the smallest number by which 405 must be divided to obtain a perfect square. Also, find the square root of the quotient.

(7) Find the smallest number by which 1352 must be multiplied so that the product has a cube root. Also, find the cube root of the product.

(8) A school has 1475 students. What is the minimum number of students that need to be added so that the total number of students can be arranged in a perfect square grid?

### SECTION-D

- Case Study – (Cubes and Taxicab Numbers)

During a math club discussion, Arjun told the famous story of Hardy and Ramanujan. Hardy thought 1729 was dull, but Ramanujan replied it was special since  $1729 = 1^3 + 12^3 = 9^3 + 10^3$ . This made Arjun curious about cubes and their properties.

- (a) Find the units digit of the cube of 25.
- (b) What is the smallest number by which 250 must be multiplied to make it a perfect cube?
- (c) What is the cube root of 2744?
- (d) Can a perfect cube end with the digits 00? Justify your answer.

## **Subject: Science**

### **Worksheet**

- **Section A: Very Short Answer (1–2 marks)**

1. What are microorganisms?
2. Why are viruses considered to be between living and non-living?
3. What is pasteurization?
4. What are antibiotics? Give one example.
5. How does a vaccine work?

- **Section B: Short Answer (3–4 marks)**

6. Differentiate between bacteria and viruses.
7. Explain useful and harmful microorganisms with examples.
8. Write four methods to prevent food spoilage.
9. Explain the role of microorganisms in the nitrogen cycle.
10. What is immunity? Write its types.

- **Section C: Long Answer (5–6 marks)**

11. What is food poisoning? Write its causes and preventive measures.
12. Classify diseases caused by microorganisms (bacteria, viruses, fungi, protozoa) with examples.
13. Discuss the importance of vaccination in detail.
14. Why can the misuse of antibiotics be dangerous?
15. “Microorganisms are both friends and foes” — explain with examples.

- **Section D: Application-Based Questions (HOTS)**

16. In a village, people are frequently falling ill. The water source is a nearby lake.
  - (i) How will you identify the cause and suggest solutions?
  - (ii) If milk is left in the open and becomes sour:
    - (a) Which microorganisms are responsible? Explain the process.
    - (b) A doctor refused to give antibiotics for a viral infection.

**Explain the scientific reason behind this.**

- (i) A student did not wash hands before eating and got a stomach ache.
- (ii) What role could microorganisms have played?
- (iii) What would happen if all bacteria suddenly disappeared from Earth?
- (iv) Write both positive and negative effects

### **Section E: Case Study Based Question**

**Case:** Several students in a school suffered from food poisoning. Investigation revealed that the canteen food was not properly covered.

#### **Questions:**

1. Which microorganisms might be involved?
2. How did the infection spread?
3. What are the preventive measures?
4. What precautions should the school take in the future?

### **Project Work (Creative + Research Based)**

#### **Project 1: “Useful Microorganisms in Daily Life”**

Role of microorganisms in making curd, bread, and medicines

Include diagrams and pictures

Use scrap book

#### **Project 2: “Communicable Diseases Awareness”**

Select two diseases

Write their symptoms, causes and prevention.

Make poster/pamphlet.

**Do worksheet in A 4 sheet.**

### **Subject: Social Studies**

Revise all the chapters done so far.

\* Paste the worksheets, map work in Social Science notebook.

\* Complete Project work in Social Science Scrap Book.

**Project:**

\* Imagine you and your friend have formed a political party. Prepare an election manifesto {futuristic Promises} and design your election symbol.

\* Design an Informative Poster on Fundamental Rights and Duties by using diagrams, symbols and slogans.

\* Currencies of the World:

**Prepare a Flash Card by pasting pictures of currencies used in the given countries.**

**Draw/paste{colourful} their symbols:**

Countries:

India

Japan

Canada

Sri Lanka

Finland

Hong Kong

Netherlands

**Bonus Project:**

\* Plant a tree at your home or in the playground and prepare weekly report (number of leaves, height, colour etc.).

**Map Work:**

\* Major Rivers to mark on India map:

\* Himalayan Rivers: Indus{J&K, Ladakh}, Ganga {Uttarakhand-UP-Bihar-West Bengal}, Brahmaputra {Arunachal pradesh-Assam}, Yamuna {Tributary of Ganga from Uttarakhand}, Sutlej, Beas, Ravi, Chenab and Jhelum {Punjab river system}

\* Peninsular Rivers: Godavari {Maharashtra-AP-Telangana-Andhra Pradesh}, Krishna {Maharashtra-Karnataka-AP}, Kaveri {Karnataka-TN}, Mahanadi {Chhattisgarh-Odisha}, Narmada {MP-Gujarat-Flows west}, Tapi/Tapti {MP-Maharashtra-Gujarat flows west}

**\* Worksheet:**

1. Write the 10 Indian states and their Chief Minister, capital with the type of state legislature {unicameral/bicameral legislature}.

2. Explain the relationship between the Legislature and Executive in a parliamentary system.

“Parliamentary system ensures a responsible government but may lead to instability”. Discuss with examples from India.

3. Why is diversity considered India's strength?

4. How can students contribute to protect the environment?

5. Write a paragraph on World Environment Day (5 June).

## विषय -संस्कृत

- 1) कक्षा में कराये गये कार्य को उत्तर पुस्तिका में पूरा कीजिये तथा अनुवाद सहित याद कीजिए (पाठ 1,2,3) नम्, खाद् व पत् धातु सभी लकारों में लिखिये तथा याद कीजिए व साधु तथा मुनि शब्द रूप लिखिए तथा याद कीजिए ।उपपद विभक्ति भी याद कीजिए ।
- 2) पर्याय व विपर्याय ,संख्या आदि व्याकरण याद कीजिए।
- 3) उपरोक्त पाठ्यक्रम UT 1 के लिए याद कीजिए।
- 4)सर्व प्रथम पढ़ाई गई प्रार्थना सस्वर याद कीजिए।
- 5) पाठ 10 के माध्यम से संस्कृत में महीनों(हिंदी व अंग्रेजी) तथा सप्ताह के नाम लिखकर एक सुंदर कैलेंडर तैयार कीजिए।( केवल संस्कृत में)

(उदाहरण : हिंदी में महीनों के नाम - चैत्र, बैसाख,जेठ इत्यादि।

अंग्रेजी में - जनवरी,फरवरी,मार्च इत्यादि)

विशेष बिंदु :- यह कार्य केवल संस्कृत भाषा में कीजिए। पाठ 10 की सहायता से।

- 6) नीचे दी गई कार्यपत्रिका का प्रिंट निकाल कर कॉपी में चिपक कर पूरा कीजिए।

## Subject- French

- Make a poster in french using coloured sheets on save electricity. Use some slogans also.
- Make a project on French culture and civilisation based on Leçon 0
- Write 5-5 conjugations of any verbs( er , ir , re) on a chart paper.

### • UT-1 syllabus

Leçon- 0,1,2

Learn above chapters thoroughly for UT 1 exams .

## Subject – Drawing

- **Draw a Portait of a person who inspired you most (with pencil/charcoal/colour) on A3 size sheet.**
- **Hand Painted Cloth Tote/Jute Bag -**

Paint a beautiful design on a plain cloth or jute bag using fabric/ acrylic colour

(Design ideas: Quotes, Nature, Traditional Motifs etc.)

**Subject - Computer**

**Task 1: Do the following questions in your notebook.**

Ques. 1: Differentiate between:

- (i) Mobile Apps and Web Apps
- (ii) Single OS and Multi OS
- (iii) CUI and GUI
- (iv) GUI and NUI
- (v) Windows and Linux
- (vi) Android and iOS

Ques. 2: Explain the different categories of apps.

**Subject - GK**

Read or watch news for 5 days in a week and write five important news headlines for each week.