

# LITTLE FAIRY PUBLIC SCHOOL

## HOLIDAYS HOME WORK (2026-27)

### CLASS VIII

**“Learning never goes on vacation- it travels with you through holiday homework!”**

Holidays are an integral parts of student’s life. It is a time for fun, a time to explore and a time to learn in different ways. When holidays are given a meaningful direction, it results in a productive and enjoyable time. Let’s use the holidays to pursue some hobbies and apply our minds creatively to learn new things and to bring a change in the environment, in our own individual ways.

Summer vacations will begin from 18<sup>th</sup> May 2026 (Monday) and continue till 30<sup>th</sup> June2026 (Tuesday). The school will reopen on 1<sup>st</sup> July 2026 (Wednesday).

#### **General instructions that are to be followed:-**

- i) The work should be original not copied from internet.
- ii) Handwriting should be neat and legible.
- iii) Holiday’s homework is a part of subject enrichment and will be assessed on the basis of creativity and efforts of the students.
- iv) ‘A healthy minds resides in a healthy body’ pay attention to your health, go for morning and evening walks. Celebrate International Yoga Day on 21<sup>st</sup> June 2026 by performing simple Yoga Asanas at home. Capture the moment by clicking a few pictures while doing the asanas and share them with your class teacher.
- v) Open your mind for reading newspapers, novels, blogs and stories that will help you in increasing vocabulary.
- vi) Indulge yourself into activities like cooking, singing, dancing, aerobics, cycling, swimming, art & craft and gardening and share your experience with your family and friends.
- vii) Spend quality time with your grandparents and parents, talk to them regarding their experience of school.
- viii) Complete all the given assignments and submit to your respective subject teachers when school reopens.
- ix) **Revise the entire syllabus of Periodic Test 1 .**

### ENGLISH

1. Grammar Wall Hanging: Use waste materials to create a model or wall hanging illustrating a grammar topic, i.e "Tense Trees".
2. Make a Newspaper of 4- 5 pages and add topics like sports, movies, society, puzzles or games (on A3 size sheet).
3. Travel Brochure - a) Design a brochure for your favourite Indian tourist destination. Include Cathy headings, interesting facts and relevant picture.  
b) Write a diary entry of any 5 memorable days of your summer break or the places you have visited.
4. Read 5 stories from the Literature Reader and write the summary of all. Write a character sketch of any 3 favourite characters of yours from the stories. Beautifully place it in hand made folder of A4 size sheet .Paste the related pictures also.
5. Draft a Personal Biography that paints a full picture of who you are. Your writing must weave together:
  - a) Your Origins: Your birth details and a description of your family life.
  - b) Your Growth: The skills you’ve mastered (talents) and the goals you’ve reached (achievements).
  - c) Your Spark: What you love to do for fun (hobbies) and the unique qualities that make you 'you'."

**HINDI**

1. कक्षा में करवाए गए कार्य की पुनरावृत्ति।
2. सिक्किम राज्य का प्राकृतिक सौंदर्य, खान पान व संस्कृति का वर्णन करते हुए एक परियोजना तैयार कीजिए।
3. प्लास्टिक से बनी वस्तुओं की जानकारी प्राप्त करते हुए बताइए कि उन वस्तुओं से हमें दूरी क्यों बनाए रखनी चाहिए। यह भी बताइए किस संदर्भ में प्लास्टिक का उपयोग अति आवश्यक है
4. आपको छुट्टी में किसके घर जाना सबसे अच्छा लगता है ? वहां की दिनचर्या अलग कैसे होती है? लिखिए।
5. अपने परिवार या मित्रों के साथ की गई बस या रेल यात्रा का रोमांचक वर्णन अपने शब्दों में कीजिए।
6. लगभग 100 शब्दों में हिंदी में एक शब्दकोश तैयार कीजिए।

**MATHEMATICS**

1. Revise Chapters 1 and 2 and 4.
2. Exponential calendar: Make a calendar for the month of your birthday
  - Fill each date using the exponential pattern.
3. Make a colorful chart on any one of the following topics
  - Famous mathematician
  - Ancient number systems
  - Interesting discoveries in Maths
4. A certain bacterium splits into 2 bacteria every hour. There is 1 bacterium on a slide. If each bacterium on the slide splits once per hour, how many bacterium will be on the slide after 6 hours? Make a bacterium slide tree on A-4 size sheet.
5. Prepare a model based on the topics allotted according to roll numbers. The topics allotted are as follows:-
  - Roll No. 1 to 10:- Laws of exponents
  - Roll No. 11 to 20:- Quadrilaterals
  - Roll No. 21 to 30:- Fractions
  - Roll No. 31 and above:- Pythagoras theorem
6. Do the given assignment on sheets.

**SCIENCE****“Science in action”**

1. Prepare a working “Model” on the topics given below (according to Roll no)
  - Roll No. 1 to 10:- Sustainable Agriculture
  - Roll No. 11 to 20:- Green Energy
  - Roll No. 21 to 30:- Health and Hygiene
  - Roll No. 31 and above:- Waste management and Alternatives to Plastics

**Note:**

- 1) The working model must be based on the applications of basic principles of Science and technology.
  - 2) Students should keep in mind that their work is innovative, original or having improvised modification in existing knowledge/ technology/ craftsmanship etc for a welfare of larger section of the society.
  - 3) The student should prepare a write up of about their working model.
  - 4) Use only eco friendly materials for preparing the working model.
2. Do the assignment in science notebook



**ENGLISH****ASSIGNMENT:-1****Q1. Write the correct degree of Adjectives provided in the brackets.**

- a) This is the(interesting) book I have ever read.
- b) Prevail is (tall) than his brother.
- c) Iron is (useful) than any other metal.
- d) The weather today is (bad) than it was yesterday.

**Q2. Each sentence given below contains one error related to the topics covered. Rewrite the sentences correctly.**

- a) A university is a place of higher learning.
- b) Me and him went to the market.
- c) This flower is more lovelier than that one.
- d) You can not smoke in a hospital. (Prohibition)
- e) The bunch of keys were lying on the table.

**Q3. Fill in the blanks with 'a', 'an', or 'the'. Put an 'X' where no article is needed.**

- a) Copper is \_\_\_\_\_ useful metal.
- b) He is \_\_\_\_\_ honest man.
- c) \_\_\_\_\_ Nile is the longest river in the world.
- d) I saw \_\_\_\_\_ one-eyed giant in my dream.
- e) \_\_\_\_\_ gold is a precious metal.

**Q4. Imagine you could go back in time and give advice to your younger self. Write a paragraph explaining what you would say and how it would change things.****Q5. Application for School Leaving Certificate to the principal of your school.**

To,

The Principal,

(School Name) \_\_\_\_\_

Date:\_\_\_\_\_

Subject: Application for \_\_\_\_\_

Respected Sir/Madam,

I \_\_\_\_\_ am a student of Class \_\_\_\_\_ Section \_\_\_\_\_ Roll No. \_\_\_\_\_. My family is shifting to \_\_\_\_\_ as my father has been there. Therefore, I have to take admission in a new school in \_\_\_\_\_. I request you to kindly issue my \_\_\_\_\_ and as possible. Certificate as soon \_\_\_\_\_

I shall be thankful to you.

Thanking you,

Yours obediently,

(Signature/Name) \_\_\_\_\_

Class: \_\_\_\_\_

Roll No: \_\_\_\_\_

**Q6. The Library Rules (Modals)**

**Complete the paragraph using appropriate Modals (can, must, should, may, might).**

When you enter the school library, you \_\_\_\_\_ keep silence. Students \_\_\_\_\_ borrow up to three books at a time. If you find a rare book, you \_\_\_\_\_ handle it with great care so it doesn't get damaged. You \_\_\_\_\_ not eat or drink inside the hall. If you are looking for a specific title, you \_\_\_\_\_ ask the librarian for help. It \_\_\_\_\_ be raining outside later, so please make sure your books are tucked safely in your bag before you leave.

**Q7. Identify the type of Nouns (Proper, Common, Collective, Abstract).**

- The bravery of the soldiers was admired by all.
- A flock of birds flew over the lake.
- Paris is known for its beautiful architecture.

**ENGLISH**  
**ASSIGNMENT-2**

**Q1. Answer the following question:**

- Why are dogs known as a man's best friends?
- Who was Fido? How did Carlo Soriani save him?
- Where had the traveller seen the remains of the statue? Find out the ancient name of Ozymandias.
- What was the expression on the face of the statue?
- What was the topic of conversation at Dabney's that evening?
- What was extraordinary about one of the damp patches on the wall?
- For what reasons can dogs be classified as being 'almost human'?
- Who was Bob? What did he love to do?
- What did the narrator notice about the face on the wall when he observed it closely?
- How did the story teller maintain suspense throughout the story?
- What is the irony in the last part of the poem?

**Q2. Read the extracts given below and answer the questions that follow.**

- I met a traveller from an antique land, Who said-"Two vast and trunkless legs of stone Stand in the desert?
  - Whose statue was it?
  - Which antique land do you think is mentioned here?
  - What does the expression on the face of the statue tell us about the person?
- He passed his hand over his brow as if he was very tired. 'And then, he conti at last saw him?
  - Whom did the speaker see? Where?
  - How did the speaker chase the man?
  - Why was the speaker unable to talk to the man?

**Q3. Explain:-**

- 'wrinkled lip, and sneer of cold command'
- "its sculptor well those passions read'
- 'Look on my works, ye mighty , and despair! '

**HINDI****ASSIGNMENT-1****अपठित बोध**

1. रामायण की रचना महाकवि वाल्मीकि ने संस्कृत भाषा में की और बाद में तुलसीदास ने उसे अवधी में लिखा। तुलसीदास रामचरितमानस ने वह सम्मान प्राप्त किया जो संभवतः आदिकाल में वेदों ने प्राप्त किया होगा। आज रामचरितमानस हिंदू धर्म का प्राण है। इसमें नीति-युक्त वचन, विनय, संबंधों की प्रगाढ़ता और कर्तव्य-पथ पर दृढ़ता से चलने की उत्कता देखने को मिलती है। राम आपत्ति आने पर सुदृढ़ रहना सिखाते हैं। वे अपने कर्तव्य को राजपाट के तमाम ऐश्वर्यों से बड़ा मानते हैं। रामचरितमानस के सम्मान पाने का एक कारण यह भी है कि तुलसीदास ने इसमें रामराज्य की सुंदर कल्पना की है। रामराज्य में न कोई दरिद्र है और न लोभी। इस राज्य में कहीं धर्म की हानि नहीं होती क्योंकि सभी धर्म के अनुसार आचरण करते हैं कर्तव्य का पालन करना ही सबसे बड़ा धर्म है। तुलसी ने रामराज्य का जो चित्र सामने रखा उसने महात्मा गांधी को प्रभावित किया। उन्होंने भारत के भविष्य के लिए रामराज्य की ही कल्पना की थी।

क) तुलसीदास ने किस ग्रंथ की रचना की?

ख) 'रामायण' की रचना किसने और किस भाषा में की?

ग) रामचरितमानस सम्मान्य क्यों है?

घ) महात्मा गांधी किससे प्रभावित हुए?

ङ) निम्नलिखित शब्दों के विलोम गद्यांश से छाँटकर लिखिए-

1) असुंदर-

2) अधर्म

3) अप्रभावित-

4) वर्तमान

2. निम्नलिखित काव्यांशों को पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए-

विषुवत रेखा का वासी जो, जीता है नित हाँफ-हाँफ कर,  
रखता है अनुराग अलौकिक, वह भी अपनी मातृभूमि पर।

ध्रुववासी जो हिम में तम मे, जीता है नित काँप-काँप कर,  
वह भी अपनी मातृभूमि पर, कर देता है प्राण निछावर।

तुम तो हे प्रिय बधु। स्वर्ग-सी, सुखद, सकल विभवो की आकर,

धरा शिरोमणि मातृभूमि पर, धन्य हुए हो जीवन पाकर।

क) विषुवत रेखा का वासी अपनी मातृभूमि के प्रति कैसा भाव रखता है?

ख) कवि ने भारत-भूमि को किस कारण अनूठी कहा है?

ग) ध्रुववासी 'हिम में तम में' कैसे जीते हैं?

घ) 'धरा शिरोमणि' का क्या अर्थ है?

ङ) 'भूमि' शब्द के दो पर्यायवाची लिखिए।

3. हैं जन्म लेते जगह में एक ही.

एक ही बौधा उन्हें है पालता।

रात में उन पर चमकता चाँद भी,

एक ही सी चाँदनी है डालता।

क) उपर्युक्त काव्यांश में तीन प्रश्नों को बनाकर उपयुक्त उत्तर लिखिए।

**ASSIGNMENT-2**

1. सही विकल्प पर ✓ लगाइए-

(क) भाषा की उस मूल ध्वनि को क्या कहते हैं जिसके खंड नहीं हो सकते?

(i) स्वर (ii) व्यंजन (iii) वर्ण (iv) लिपि

(ख) वर्णमाला किसे कहते हैं?

(i) वर्षों के समूह को (ii) वर्षों के क्रमबद्ध समूह को (iii) व्यंजनों के समूह को (iv) ध्वनियों के समूह को

(ग) दीर्घ स्वर कौन से हैं?

(i) आ, ई, ऊ (ii) अ, इ, उ (iii) अं, अः, अँ (iv) औं, ऋ, ए

(घ) 'कवर्ग' के व्यंजन क्या कहलाते हैं?

(i) मूर्धन्य (ii) तालव्य (iii) ओष्ठ्य (iv) कंठ्य

(ङ) 'तवर्ग' का उच्चारण स्थान कौन-सा है?

(i) दंत (ii) कंठ (iii) मूर्धा (iv) औष्ठ

(च) किन शब्दों में संयुक्त व्यंजन हैं?

(i) बिल्ली, बच्चा, प्रसन्न (ii) क्षत्रिय, प्रतिज्ञा, श्रेय (iii) विद्या, सत्य, न्याय (iv) ऋषि, मृग, गृह

(छ) वर्तनी किसे कहते हैं?

(i) भाषा के शुद्ध रूप को (ii) भाषा के अशुद्ध रूप को  
(iii) उच्चारण के अनुरूप लिखना (iv) चिहनों के लिखित रूप को

2. सही वर्तनी वाले शब्द पर ✓ लगाइए-

(क) (i) परदर्शिनी (ii) परदर्शनी (iii) प्रदर्शिनी (iv) प्रदर्शनी

(ख) (i) श्रृंगार (ii) अंगार (iii) श्रृंगार (iv) श्रिगार

3. सही विकल्प पर ✓ लगाइए-

(क) भाषा क्या है?

(i) वाक्य रचना की व्यवस्था (ii) मन के भावों और विचारों के आदान-प्रदान का माध्यम

(iii) ज्ञान अर्जन करने का माध्यम (iv) ज्ञान संचित करने का माध्यम

(ख) हिंदी दिवस कब मनाया जाता है?

(i) 16 सितंबर (ii) 5 सितंबर (iii) 14 सितंबर (iv) 10 सितंबर

(ग) भारतीय संविधान में कितनी भाषाओं को मान्यता दी गई है?

(i) इक्कीस (ii) बीस (iii) उन्नीस (iv) बाईस

(घ) भाषा के क्षेत्रीय रूप को क्या कहते हैं?

(i) बोली (ii) उपभाषा (iii) मानक भाषा (iv) राजभाषा

(ङ) बोली के विस्तृत रूप को क्या कहते हैं?

(i) साहित्यिक भाषा (ii) उपभाषा (iii) प्रांतीय भाषा (iv) क्षेत्रीय भाषा

(च) मानक भाषा किसे कहते हैं?

(i) बोली का विशिष्ट रूप (ii) विद्वानों द्वारा स्वीकृत भाषा (iii) लिखित भाषा (iv) काव्य की भाषा

(छ) हिंदी की कितनी उपभाषाएँ हैं?

(i) चार (ii) छह (iii) तीन (iv) पाँच

**MATHEMATICS****ASSIGNMENT-1**

- Tell whether each statement is sometimes (S), always (A) or never (N) true. Give reasons.
  - A rectangle is a parallelogram.
  - A parallelogram is a rhombus.
  - A square is a rhombus.
  - A square is a rectangle.
  - A rectangle is a rhombus.
  - A rhombus is a square.
  - A rhombus is a rectangle.
  - A rectangle is a quadrilateral.
  - A rectangle is a square.
- Find the angles  $x$ ,  $(2x+13^\circ)$ ,  $(3x + 10^\circ)$  and  $(x-6^\circ)$  of a quadrilateral.
- A parking lot has the shape of a quadrilateral. One side of the parking lot borders the road. The two angle bordering the road measure  $90^\circ$ . The measure of another corner is  $75^\circ$ . Find the angle measure of the fourth corner.
- Tell whether the angle measures of the following are those of a quadrilateral.
  - $105^\circ, 65^\circ, 38^\circ, 52^\circ$
  - $68^\circ, 153^\circ, 17^\circ, 122^\circ$
  - $88^\circ, 90^\circ, 90^\circ, 92^\circ$
  - $98^\circ, 86^\circ, 68^\circ, 110^\circ$
- The measure of two adjacent angles of a parallelogram are in the ratio 4:5. Find the measure of each angle of the parallelogram.
- Two opposite angles of a parallelogram are  $(5x - 21)^\circ$  and  $(x + 75)^\circ$ . Find the measure of each of the angles of the parallelogram.
- The ratio of two adjacent sides of a parallelogram is 7: 9 and its perimeter is 96 cm. Find the sides of the parallelogram.
- Simplify the following.
 

(a) $\frac{(3^3)^2 \times (5^2)}{(9^2 \times 5)}$	(b) $\frac{(3^8 \times a^6)}{(9^3 \times a^3)}$	(c) $(5^\circ + 4^\circ + 3^\circ) \times 3^4$
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- If  $[3m^2 \div (3m)^2]^m = \frac{1}{81}$  then the value of  $m$  is
 

(a) -3	(b) -6	(c) 3	(d) 4
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- Simplify and express the result in power notation with positive exponent.
 

(a) $(-2)^{-4} \times (-2)^{-6}$	(b) $3^7 \times 3^{-9} \times 3^6$	(c) $3^7 \times \left(\frac{3}{5}\right)^{-7}$	(d) $(4^{-8} \div 4^{-10}) \times 4^{-5}$
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**ASSIGNMENT-2**

- Find the value of the following  
 (a)  $10^{-4}$                       (b)  $10^{-7}$                       (c)  $10^{-8}$                       (d)  $10^{-10}$
- Write each number in scientific notation:  
 (a) 0.0009                      (b) 0.0603                      (c) 0.000053                      (d) 0.000000084
- Write each number in usual form.  
 (a)  $9.4 \times 10^{-4}$                       (b)  $2 \times 10^{-3}$                       (c)  $5.01 \times 10^{-2}$                       (d)  $3.88 \times 10^{-1}$
- Write the following facts in scientific notation.  
 (a) The average diameter of a red blood cell is 0.000007 mm.  
 (b) Diameter of a wire in a computer chip is 0.000003 m.  
 (c) Size of a plant cell is 0.00001275 m.
- Find the least number which must be subtracted from each of the following numbers to make it a perfect square.  
 (a) 740                      (b) 1535                      (c) 7926
- Find the least number which must be added to each of the following numbers to make it a perfect square.  
 (a) 708                      (b) 1840                      (c) 3219
- 4225 soldiers are arranged in different rows so that there are as many rows as the number of soldiers in a row. Find the number of rows.
- A gardener plants 3364 trees in such a way that there are as many rows as there are trees in a row. Find the number of trees in a row.
- A club collected Rs.7225 for a charity. Each member contributed as many rupees as there were number of members of the club. How many members does the club have?
- Find the cubes of the following numbers.  
 (a) 12                      (b) 15                      (c) 200                      (d) 0.9
- Which of the following numbers are perfect cubes?  
 (a) 125                      (b) 2197                      (c) 832                      (d) 2744
- What is the smallest natural number by which the following numbers should be multiplied so that they become perfect cubes?  
 (a) 36                      (b) 121                      (c) 392
- What is the smallest natural number by which the following numbers should be divided so that they become perfect cubes?  
 (a) 54                      (b) 625                      (c) 1536                      (d) 7000
- Find the cube root of each of the following numbers by prime factorisation method.  
 (a) 8                      (b) 216                      (c) 1728                      (d)  $-4\frac{17}{27}$   
 (e) 0.027                      (f) -0.216                      (g) 0.001331                      (h) 0.002744

**SCIENCE**  
**ASSIGNMENT-1**

1. What is electric current?
2. Why nichrome is used in electrical appliances like heaters?
3. What happens to a compass needle when current flows in a nearby wire?
4. Why tungsten is used to make the filament of an electric bulb?
5. Why are electric wires covered with plastic?
6. What is the difference between primary cells and secondary cells? Give examples also.
7. What is the role of a fuse in an electric circuit? On which principle electric fuse works?
8. Why are heating appliances made of materials with high resistance?
9. What is a circuit diagram? Why is it useful?
10. Why does a bulb glow when current passes through it?
11. Ravi observed that when he switched on a heater, the coil became red hot. Answer the following:
  - a) Why does the coil become hot?
  - b) Which effect of current is responsible for this?
  - c) Name two appliances based on this effect.
  - d) Why is the coil made of a special material?
12. Why should a fuse be connected in series and not parallel?
13. Explain why thick wires are used in household wiring.
14. What is ammeter and voltmeter?
15. Activity-Based Question

**Perform this activity at home (with supervision):** Take a battery, wire, and small iron nails. Wrap the wire around the nail and connect it to the battery. Answer the following questions below:
  - a) What do you observe?
  - b) What happens when current is switched off?
  - c) What type of magnet is formed?
  - d) What is the purpose of iron nail in an electromagnet?
16. Electric heating devices like an electric heater or a stove) are often considered to be more convenient than traditional heating methods( like burning firewood or charcoal).Give reasons in support of your answer considering societal impact
17. Riya inserted a dry cell into her torch, but it did not glow. Answer the following questions given below:
  - a) What could be the reason?
  - b) How can she check if the dry cell is working?
  - c) What role does the electrolyte play here?
  - d) What happens if the electrolyte dries out?
18. What type of energy is stored in dry cell?
19. What do you mean by cartridge fuse?
20. Write the full form of LED, MCB and CFL.

**ASSIGNMENT-2****Answer the following questions:**

1. State two points of difference between bacteria and viruses.
2. What is mycology?
3. What are eukaryotic cells and prokaryotic cells?
4. Name the largest cell and the smallest cell of all the living organisms.
5. Write the function of nerve cells
6. What are plastids? Name its three types stating their colours.
7. Why mitochondria is known as powerhouse of the cell?
8. Why are lysosomes called the suicidal bags?
9. What is the function of genes?
10. What is microbiology? Name the scientist who first discovered Microscope.
11. Why are viruses placed between living and non-living things?
12. What do you mean by vaccination or immunization?
13. What are the major constituents of biogas? Write two uses of biogas.
14. What is bacteriophage?
15. Draw a diagram of Nerve cell.
16. Meena adds a small amount of curd to warm milk and keeps it aside for a few hours. The milk turns into curd. Answer the following questions below:
  - a) Which microorganism (bacteria) is involved in this process?
  - b) What is the role of warm temperature?
  - c) Is this an example of a useful or harmful microorganism?
17. A student observed the following:
 

Bread kept in open air developed fungus after 3 days. Bread kept in refrigerator did not spoil quickly

  - a) What conclusion can be drawn?
  - b) Name the microorganism which caused this black bread mould?
18. Explain the usefulness of microorganisms in agriculture.
19. Name the disease by virus in plant and humans
20. What are antibiotics? Name some examples of antibiotics.
21. State the properties of solids
22. What do you mean by fluidity? Why liquids and gases are called fluids?
23. Why does the smell of perfume spread quickly in a room?
24. How does increasing temperature affect diffusion?
25. Discuss the role of intermolecular forces in determining the state of matter.

26. Priya noticed that when her mother cooks hot food, its smell spreads quickly across the house. However, cold food does not spread smell as fast. Answer the following questions
- What property of matter is shown here?
  - Why does smell spread faster in hot food?
  - Which state of matter shows maximum diffusion?
  - Name one more example of diffusion from daily life.
27. Why do wet clothes dry faster on a hot and windy day?
28. What is condensation?
29. Why gas have very low density?
30. Why is LPG stored in cylinders in compressed form?
31. Why do we feel cool when sweat evaporates from our skin?
32. Rina added sugar to a glass of water and stirred it. The sugar disappeared but the water level did not increase much. Answer the following questions given below:
- What does this activity show about particles of matter?
  - Why does the water level not increase significantly?
  - Name the process involved.
  - What will happen if the water is heated?
33. A balloon filled with air expands and takes shape, while a stone keeps its shape. Answer the following questions given below:
- Why does air fill the balloon completely?
  - What property of gases is shown here?
  - Why does a stone not change its shape?
34. Why does ice float on water even though both are solids and liquids of the same substance?
35. At what temperature does water boil at normal pressure and at what temperature does ice melt?
36. What do you mean by physical and chemical classification of matter?
37. What is evaporation?
38. Why does sand not dissolve in water but sugar does?
39. State the difference between evaporation and boiling.
40. What do you mean by Panch Tatva according to ancient Indian philosophy?
41. Why density of solids is very high?
42. What do you mean by density of a substance?
43. Why solids have low thermal expansion?
44. State the properties of liquids.
45. What do you mean by fluidity and compressibility?
46. State the properties of gases.

**SOCIAL STUDIES****ASSIGNMENT-1**

(History/Civics )

**Answer the following questions:**

1. Who founded the Vijayanagara empire?
2. Which Mughal port did Shivaji attack and why was it significant for his kingdom?
3. What Sikh Guru formed the Khalsa and in which year?
4. When was the first Battle of Panipat fought and who was defeated in the battle?
5. Why was the famous Sun temple at Konark built?
6. Name the five dynasties of the Delhi Sultanate.
7. What was mansabdari system?
8. What was the primary reason behind Timurs Invasion of India?
9. What was the significance of Shivaji coronation in 1674?
10. Who is the founder of Tughlaq Dynasty?
11. Which Mughal general was defeated by Shivaji in a surprise night raid?
12. Differentiate between Lok Sabha and Rajya Sabha.
13. What is Election Commission of India?
14. Give any two functions of Election Commission of India.
15. In what way did Model Code of Conduct prove to be useful during elections?
16. How is the President of India elected?
17. What do you mean by Universal Adult Franchise?
18. What are the three organs of the government?
19. Name the states that have bicameral legislature.
20. Explain the role of President of India as the constitutional head.
21. Why are the functions of the Judiciary?
22. Who were the founders of Vijaynagara empire?
23. Name the five dynasties of the Delhi Sultanate.
24. What were the reforms introduced by Sher shah suri?
25. On an outline map of India:-
  - a) Identify and shade the region under Tughlaq Dynasty.
  - b) Locate and label Daulatabad, Panipat and Delhi.
26. Explain the Mughal administrative system in brief.

**ASSIGNMENT-2****(Geography)****Answer the following questions:**

1. What are natural resources?
2. Which type of resources can be replaced naturally over time?
3. What is meant by Sustainable development?
4. On what basis can natural resources be categorized?
5. Which is the world's first 100% organic state?
6. Why is recycling old electronic important?
7. What are the three factors for object to be called a natural resource?
8. Give any two ways to ensure Sustainable development.
9. Which veda contains hymns that express deep respect for nature?
10. Why is it important to think about others when we use natural resources?
11. Who is an entrepreneur?
12. Name the first Indian woman entrepreneur.
13. What do you mean by Human capital?
14. State any two challenges India faces in building strong human capital
15. List four main factors upon which production of goods depends.
16. What is corporate social responsibility?
17. Give reasons why
  - a) Health care is important for improving human capital.
  - b) Overuse of ground water a serious concern in India.
  - c) Entrepreneurs are important
  - d) India has lost significant forest cover
18. Mention two ways businesses can use natural resources responsibly
19. Distinguish between Renewable and non renewable resources.
20. Why labour must be treated fairly in production?
21. Give two examples of how education and training improve the quality of labour.
22. How does technology play vital role in the process of production?
23. If you are planning a new city, what two steps would you take to more its development sustainable?
24. Distinguish between labour and human capital.
25. What are the various sources the businesses can take money for start up?

**संस्कृत**  
**निर्दिष्ट कार्य पत्रिका -1**

**प्रश्न 1 निर्देशानुसार वचन परिवर्तन कीजिए:-**

- |                                |                          |
|--------------------------------|--------------------------|
| (क) अहम् पठानि। (द्विवचने)     | (ख) वयम् वदाम। (एकवचने)  |
| (ग) ते श्लोकं पठन्तु। (एकवचने) | (घ) सः लिखतु। (बहुवचने)  |
| (ङ) तौ पठतः। (बहुवचने)         | (च) वयम् हसामः। (एकवचने) |
| (छ) आवाम् गच्छाव। (बहुवचने)    | (ज) यूयम् लिखथ। (एकवचने) |

**प्रश्न 2 प्रश्न निर्माण कुरुत:-**

- |                                      |                                      |
|--------------------------------------|--------------------------------------|
| (क) एकेन श्येनेन इदं सर्वं दृष्टम् । | (ख) जलं दृष्ट्वा मण्डूकः अवदत्।      |
| (ग) मूषकः तरणं न जानाति स्म।         | (घ) अन्यत्र गत्वा जीवनयापनं करणीयम्। |

**प्रश्न 3 वर्ण विच्छेद कीजिए:-**

- |               |                |
|---------------|----------------|
| (क) मुदितः    | (ख) अत्रान्तरे |
| (ग) जम्बूतरुः | (घ) सृजाम्यहम् |
| (ङ) मूषकः     | (च) उधानम्     |
| (छ) वानरस्य   |                |

**प्रश्न 4 संधि-विच्छेद कीजिए! -**

- |                  |                   |
|------------------|-------------------|
| (क) पशवादीनाम्   | (ख) कष्टमनुभवति   |
| (ग) जीर्णान्यानि | (घ) संयतेन्द्रियः |
| (ङ) अत्यधिकं     | (च) आनन्दिता      |
| (छ) अनुभवति      | (ज) वसुधैव        |

**निर्दिष्ट कार्य पत्रिका 2**

**प्रश्न 1 निर्देशानुसार शब्दरूप - धानुरूप लिखो।**

- |                             |                             |
|-----------------------------|-----------------------------|
| क) पिबति ----               | ख)----- पिबथः ----।         |
| ग) पिबामि पिबावः ----।      | घ) ----- पिबताम् पिबन्तु।   |
| ङ,)----- पिबतम् पिबत।       | च)--- पिबाव ----।           |
| छ) सा ते -----।             | ज) ---- तौ ----।            |
| झ) तथा ताभ्याम् -----।      | ञ) अपिबत ----- अपिबन्।      |
| ट) पास्यति ----- पास्यन्ति। | ठ)) पास्यानि पास्याव -----। |

**प्रश्न 2 वाक्य निर्माण करो:-**

- |          |             |
|----------|-------------|
| क) वयम्  | ख) आवाम्    |
| ग) यूयम् | घ) गृहम्    |
| ङ) स्वसा | च) कार्यालय |