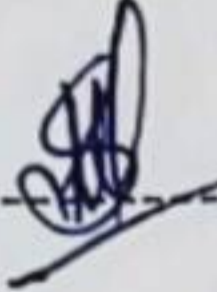
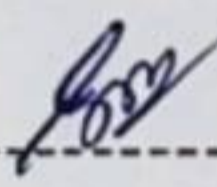


D.A.V. PUBLIC SCHOOL, ACC JAMUL
VACATION HOME WORK- 20226-27

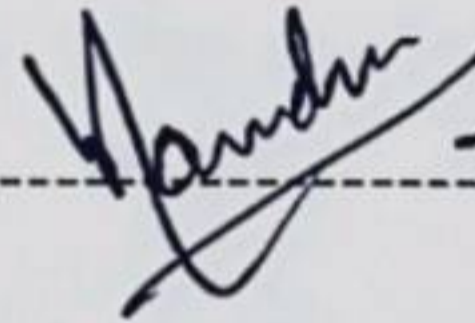
CLASS- IX
SUBJECT - ENGLISH

1. Make a project on 'Glimpses of Kerala and Chhattisgarh.
2. Design a poster promoting Adult education or "Each one, teach one" highlighting that 'learning has no age bar'.
3. The novel within the story, 'Kashi Yatre', is the main motivation for the grandmother. Write the story of 'Kashi Yatre' in your own words and why Krishtakka, the grandmother was so deeply connected to it.

Subject Teacher : 1.---------- 2.----------

SUBJECT - HINDI

1. संज्ञा , सर्वनाम की परिभाषा लिखकर उनके भेद को विस्तार से लिखिए।
2. 10 उपसर्ग एवं 10 प्रत्यय लिखिए।
3. किन्हीं तीन विषयों पर संवाद लिखिए।
4. वर्तमान समस्या पर आधारित कोई 3 अनुच्छेद लगभग 100-120 शब्दों में लिखिए।

Subject Teacher : 1.---------- 2.-----

SUBJECT - SANSKRIT

1. उच्चारण स्थान तालिका निर्माण।
2. दीर्घ, गुण, वृद्धि तथा यण् सन्धि से पांच सन्धि तथा पांच सन्धि विच्छेद करेंगे।
3. संख्या- 1-100 तक संस्कृत में लिखकर याद करेंगे।
4. कवि, साधु, नदी, बालक, मातृ, भवतु, धेनु तथा सर्वनाम शब्दरूप अस्मद्, युष्मद्, तत्, एतत्, किम् का तीनों लिंगों में लिखकर याद करेंगे।
5. पठ्, गम्, दृश्, स्था, पा, स्मृ, कृ, अस्, भू नम्, इन धातुरूपों का पांचों लकारों में लिखकर याद करेंगे।
6. निम्नलिखित अव्यय पदों से वाक्य निर्माण करेंगे।

अधुना, एकदा, शनैः, सर्वत्र, एव, उच्चैः, ह्यः, अद्य, श्वः, पुरा, अत्र, तत्र, कुत्र वृथा आदि अव्यय पदों से वाक्य निर्माण करेंगे।

7. स्वेच्छा से किन्हीं तीन चित्रों के आधार पर संस्कृत में पांच वाक्य बनायेंगे।

8. तीन संवाद पूर्ति तथा तीन पत्र पूर्ति करेंगे।

9. पोर्टफोलियो एक्टिविटी फाइल पेज में करेंगे।

10. Art integrated activity (केरल तथा छत्तीसगढ़ से सम्बंधित) फाइल पेज में करेंगे।

क) केरल तथा छत्तीसगढ़ से सम्बंधित पांच व्यंजन, पांच परिधान, पांच दर्शनीय स्थल आदि का संस्कृत में वर्णन सचित्र करेंगे।

Subject Teacher : 1. S.K. Panda 2. S.K. Panda

SUBJECT - MATHS

Solve the following:

1) Find three rational numbers between - (i) $1/3$ & $1/5$ (ii) 3 & 5

2) Write two rational numbers between $2/3$ & $5/6$

3) Which of the following decimal have terminating expansion -

(i) $7/20$ (ii) $2/13$ (iii) $23/7$ (iv) $133/125$

4) Express these in the form p/q

(i) $0.\bar{6}$ (ii) $0.\bar{27}$ (iii) $3.\bar{7}$

5) Identify that following are rational or irrational

(i) $\sqrt{121}$ (ii) $(3 + \sqrt{5}) - \sqrt{5}$ (iii) $(2\sqrt{27})/\sqrt{3}$ (iv) $1.\bar{21}$ (v)

1.101001000.....

6) Rationalise the denominator

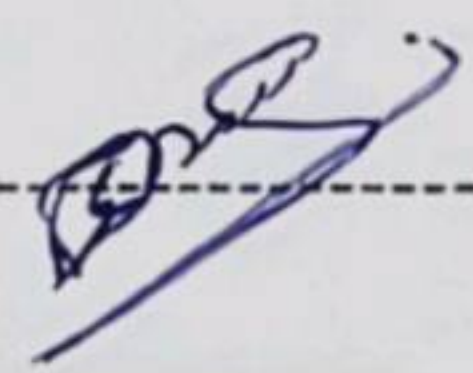
(i) $\frac{\sqrt{5}}{\sqrt{3+2}}$ (ii) $\frac{2\sqrt{3}}{\sqrt{7-2}}$ (iii) $\frac{4}{\sqrt{7+3}}$

7) Find the value of a and b if -

(i) $\frac{\sqrt{3-1}}{\sqrt{3+1}} = a + b\sqrt{3}$ (ii) $\frac{\sqrt{3+2}}{\sqrt{3-2}} = a + b\sqrt{2}$ (iii) $\frac{\sqrt{7-1}}{\sqrt{7+1}} - \frac{\sqrt{7+1}}{\sqrt{7-1}} = a + b\sqrt{7}$

8) Simplify the following: (i) $(\sqrt{2} + 2)^2$ (ii) $(2 - \sqrt{2})(2 + \sqrt{2})$ (iii) $(\sqrt{2} + \sqrt{3})^2$

Activity: 1) Prepare a square root spiral up to $\sqrt{17}$ on a large size full chart paper & decorate it by using waste material like match stick, colour thread etc.

Subject Teacher : 1.  2. -----

SUBJECT - SCIENCE

PHYSICS

Instructions: Answer all the questions clearly. Show steps wherever required.

- 1) Why does it feel harder to pedal a bicycle when going uphill than on flat ground?
- 2) Why is it easier to slip on a wet surface?
- 3) Why do we feel 'light' or like we are 'floating' just after our swing reaches its highest point and begins to come down?
- 4) What is a force?
- 5) What can a force do to the objects on which it is applied?
- 6) Are forces an interaction between two or more objects? Explain.
- 7) What are the different types of forces?
- 8) Why do we sometimes slip on smooth surfaces like ice or polished floors? Explain.
- 9) Is any force being applied to an object in a non-uniform motion? Explain.
- 10) The weight of an object on the Moon becomes one-sixth of its weight on the Earth. What causes this change? Does the mass of the object also become one-sixth?
- 11) There are two boats, A and B. Boat A has a base area of 7 m^2 , and 5 persons are seated in it. Boat B has a base area of 3.5 m^2 , and 3 persons are seated in it. If each person has a weight of 700 N, find out which boat will experience more pressure on its base and by how much?
- 12) Analyse the concept of up thrust applied by a liquid and explain the concept of floatation.

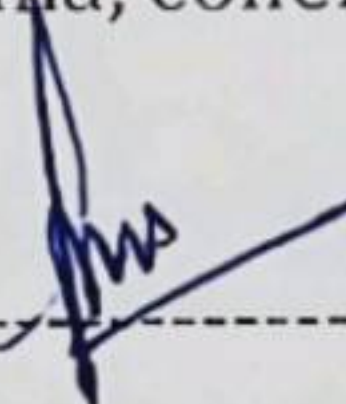
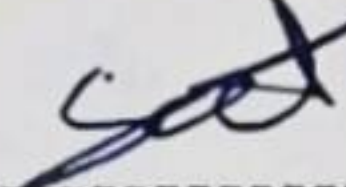
NOTE - Don't write answers from book take reference from books and write your own answer

CHEMISTRY

1. Prepare a model (static/ working) to demonstrate movement of particles in solids, liquids and gases
2. Ice is lighter than water. Explain.
3. Explain working of desert cooler with diagram.
4. Explain evaporation. Write all the factors which effect rate of evaporation.

BIOLOGY

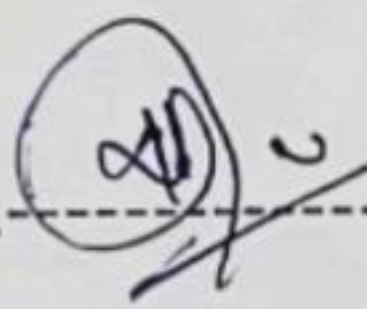
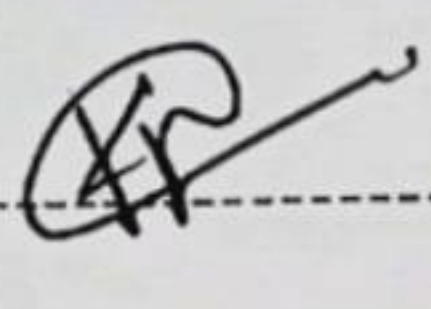
1. Observe cheek cell and onion peel through temporary slide.
2. Observe parenchyma, collenchyma and sclerenchyma cell through permanent slide.

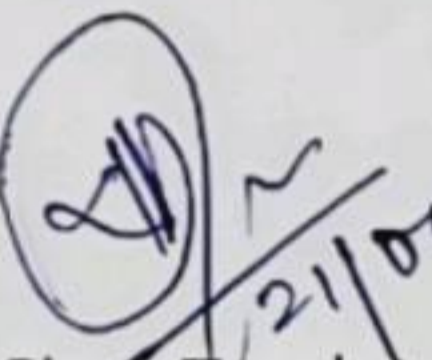
Subject Teacher : 1.  2.  3.

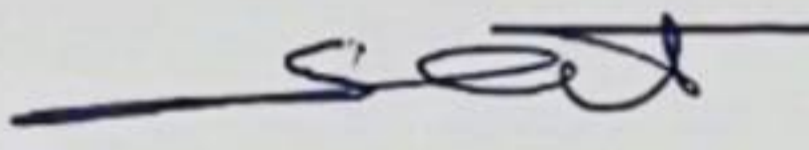
SUBJECT - SOCIAL SCIENCE

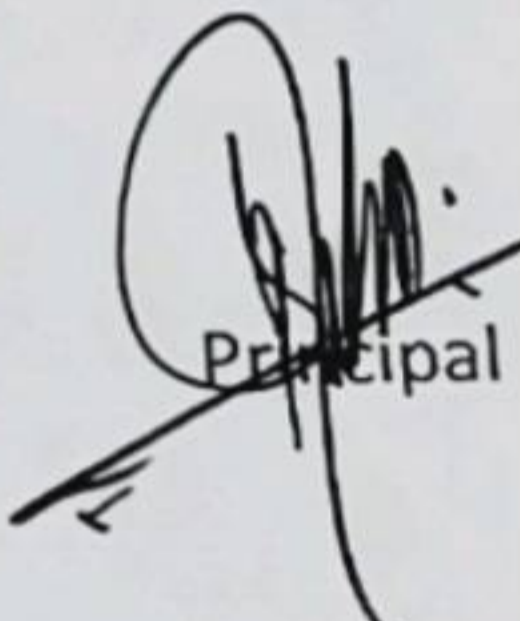
1. Learn the chapter taught. Complete the Back Exercise including the Question-Answers in your Geography notebook.
2. Record the daily maximum & minimum temperature of your city in a tabular form with date in your Social Science Vacation Home Work copy.
3. Find out the prominent civilisations of the world and locate the places on the physical world map.
4. On the political map of India, locate all the states and paste in your Social Science Vacation Home Work copy. (Use A4 size political map)
5. Make 2 separate chart of the goods, our country India export and import by highlighting two columns- Countries (where we export or import) & items (the goods like grains, oil, etc.) (Do it in your Social Science Vacation Home Work copy. Please take care that 1 chart will be for import and the other chart will be for export)
6. Art Integrated Activity- Make a PPT comparing and describing about the popular minerals of Kerala and Chhattisgarh. (Must mention the topic, your name, class & section, etc.)

NOTE:- SOCIAL SCIENCE VACATION HOME WORK COPY MUST BE OF 100 PAGES.

Subject Teacher : 1.  2. 


21/04/2026
Class Teacher


Academic In-charge


Principal