

Std. **8**



P.G. Senior Secondary School 10+2

Affiliated To CBSE, New Delhi

SUMMER HOLIDAYS HOMEWORK

Contact us for any query

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Submitted By: _____

Dear Students,

Summer Vacation is really a time duration that brings a lot of joy and new things for you. But this duration is not only for entertainment. It is the time period when you spend your maximum time in your family. Hence, you should try your level best to focus on the values that are taught only in the family or School.

There are some suggestive points for you with an expectation that you will follow without any excuse.

You are suggested to –

- ❖ Do Your Vacation Work by yourself.
- ❖ Avoid separates Note Book for Assignment
- ❖ Write Good, Neat and Clean.
- ❖ Use a file to settle the Pages of Assignment.
- ❖ Do all the work with Day and Date.
- ❖ Avoid playing in the Sunshine or Hot Places.
- ❖ Try to pray God daily.
- ❖ Pay special attention towards your Health and Caring.
- ❖ Touch the Feet of your Parents, Grand Parents and other Elders of your family at least two times in a day (Morning & Night)

Request to Parents:

- ❖ Holidays homework should be done by the child, under parental guidance.
- ❖ The child should have a fixed time daily, for doing the assignments.
- ❖ Nurture your child's interest – be it art, music, dance or anything else.
- ❖ Let him/her pursue a hobby of his /her own choice.
- ❖ Please train your child to become independent in his daily chores.

Please Involve child at home in the following tasks –

- ❖ Help to keep the house clean- clear toys, books or craft after they finish playing.
- ❖ Help your mother to set and clear the dining table.
- ❖ Remember to converse in English.
- ❖ Be polite while speaking and talk softly.

To enhance children's creativity and innovation for the progressive learning. Help your child to do the following:

- ❖ **Morning Blessings:** Help your child inculcate good habits like doing "Surya Pranam" & encourage him/her to greet all elders in the morning.
- ❖ **Fun in Knowing:** Tell the child about your childhood, share incidents from the past and show him/her old family albums. This will strengthen the bond between you and your child.
- ❖ **Fun with Books:** Read English and Hindi stories to your child with morals.
- ❖ **Fun with family:** Make use of these holidays and spend quality time together as a family and make your child feel special.
- ❖ **Fun with Parents:** Cook dinner together. Show your child how to measure 1 cup, 1/2, 1teaspoon etc. Start naming the food groups, when you serve them.
- ❖ **Go for shopping together:** Tell your child about market and mall differences, about the things, items and material purchased from there.
- ❖ Let your child help in household chores like cleanings, dusting and many more.
- ❖ Have walk together and talk to your child about what he/she likes and dislikes etc.
- ❖ Help your child to memorize the home address and your phone numbers too.
- ❖ Help your child in learning how to open and close his/her water bottle, lunch box.

Subject - English**1. Read the following passage carefully:**

The dark patches on the sun's surface, known as sunspots, are of interest to astronomers because they tend to be located where the sun's magnetic fields are particularly strong. These magnetic fields are constantly moving and twisting. When they get too contorted, these magnetic fields can suddenly and violently realign themselves, releasing vast amounts of energy and charged particles as they do so.

In short, space weather is important to track, especially as the sun is now entering a period of increasing activity as part of its 11-year repeating solar cycle. The current cycle, Solar Cycle 25, is winding up. Scientists can tell how active the sun is by looking at how many sunspots there are. The more sunspots we can see, the more active the sun is. Sunspots are dark because the intense magnetic fields prevent some heat within the sun reaching the surface. Recently, astronomers have spotted a swarm of sunspots bundled close together in a region of the sun facing towards Earth. They've been a source of heightened solar activity for days, spitting out flares and radiation.

The sun unleashed a massive solar flare on Wednesday, which has the potential to impact satellite communications and global positioning systems. Dibyendu Nandi, Associate Professor and Coordinator of CESSI at the Indian Institute of Science Education and Research, Kolkata said, "Solar flares are powerful bursts of energy that can impact radio communications, electric power grids, navigation signals, and pose risks to spacecraft and astronauts. This flare is classified as an X-Class which denotes the most intense flares, while the number provides more information about its strength." "Strong ionospheric perturbation is ongoing over India, South East Asia and the Asia-Pacific regions. Expected high frequency communication blackouts, satellite anomalies, GPS scintillations, airline communication impacts," the CESSI said on Twitter. Nandi said the CESSI had predicted the eruption of an X-Class flare on April 18. He said the scientists at CESSI were studying the impact of the flare. According to NASA, the biggest flares are known as 'X-class flares' based on a classification system that divides solar flares according to their strength. The smallest ones are A-class (near background levels), followed by B, C, M and X, it said.

Answer the following questions on the basis of the passage:

- a. Why are the astronomers curious about the sunspots?
- b. Why is it important to track space weather?
- c. What have the astronomers spotted recently?
- d. What are solar flares? How can they impact the Earth?
- e. Where is ionospheric perturbation going on? What can be its impact?
- f. Find the word in the passage that means the same as: categorisation (paragraph-4)

2. Imagine you meet your favourite sports person. what would first reaction be? What would you talk to them about? Role play the lucky meeting with your partner.

3. Write an article in not more than 150 words, on the topic: The cultural heritage of a nation must be upheld by its citizens. Put a suitable title.

4. Re-arrange the following jumbled words to form sentences:-

- (a) in / other animals / elephants / excel / intelligence / among most
- (b) displaying / they / their intelligence / found / actions / in simple / have been
- (c) are of / from / elephants / researchers / opinion / most / can convey / the / that / vital information / to another / one generation

5. Edit the following passage and write the errors and corrections in the respective blanks:

Inactivity is a greatest cause of overweight these days. The physical activities from people have decrease. The main reason of course is the availability of many labour save devices. They need not want to walk or perform physical activities. They spend more than enough time sit and watching television.

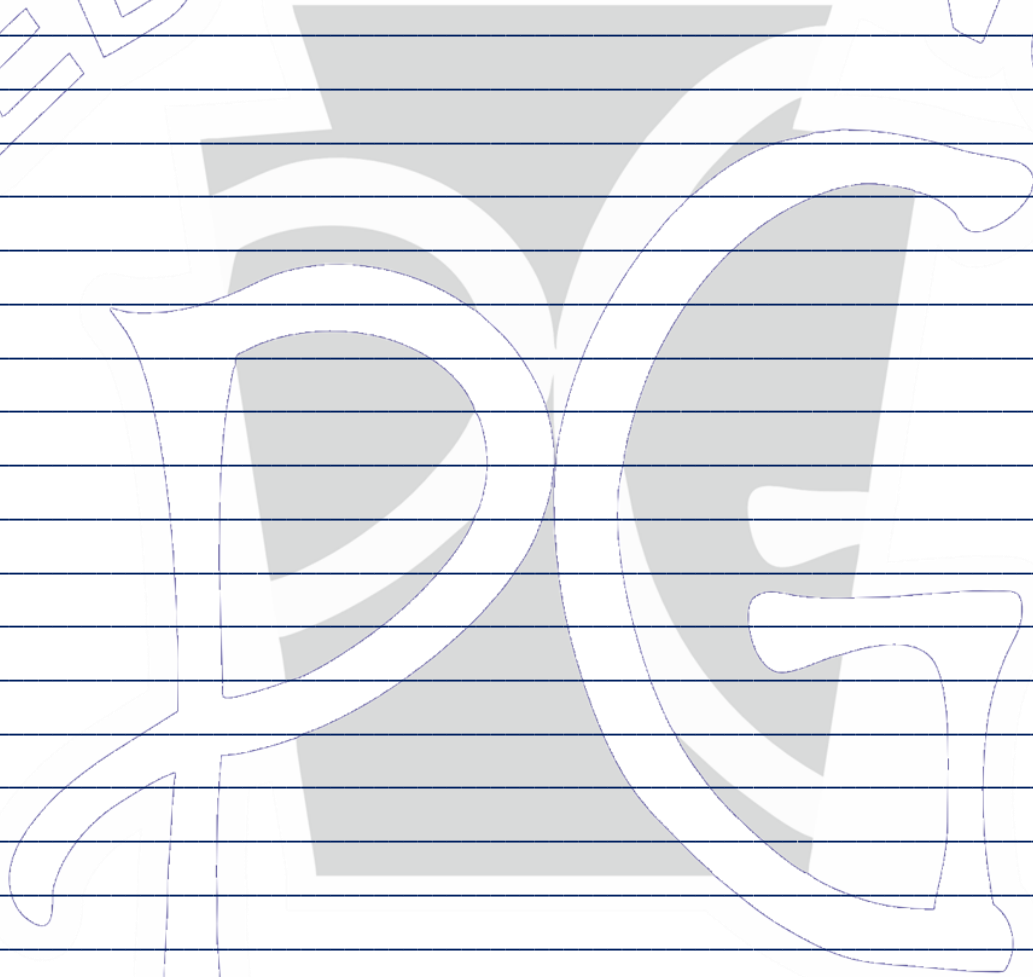
Error	Correction
e.g. a	the
a) _____	_____
b) _____	_____
c) _____	_____
d) _____	_____
e) _____	_____
xxxxxxx	xxxxxxx

6. What qualities should a team leader have elaborate with example from the poem 'The commentator'.

7. Complete the exercise of sentence from practice paper

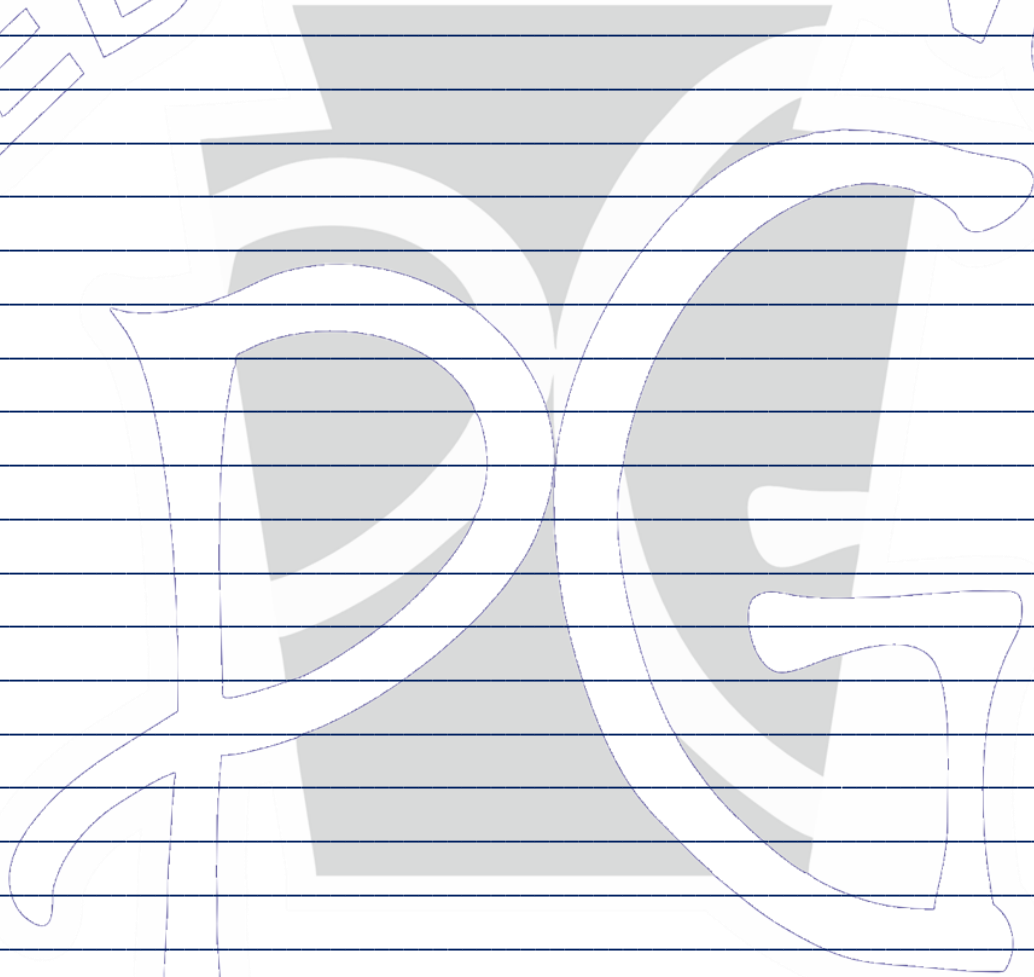
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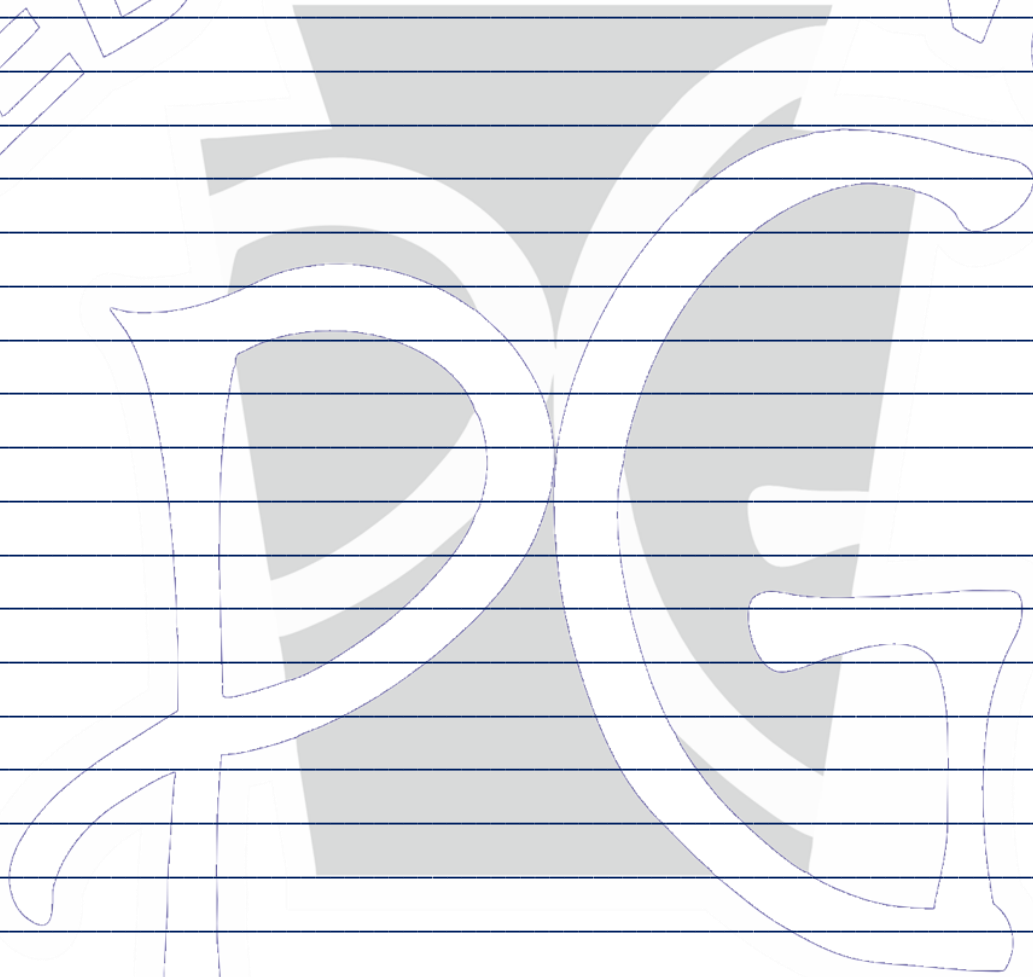
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विषय – हिन्दी

1. अपठित गद्यांश को ध्यानपूर्वक पढ़कर पूछे गए प्रश्नों के उत्तर दीजिए -

विद्यार्थी जीवन को मानव जीवन की रीढ़ की हड्डी कहें तो कोई अतिशयोक्ति नहीं होगी। विद्यार्थी काल में बालक में जो संस्कार पड़ जाते हैं जीवन भर वही संस्कार अमिट रहते हैं। इसलिए यही काल आधारशिला कहा गया है। यदि यह नींव दृढ़ बन जाती है तो जीवन सुदृढ़ और सुखी बन जाता है। यदि इस काल में बालक कष्ट सहन कर लेता है तो उसका स्वास्थ्य सुंदर बनता है। यदि मन लगाकर अध्ययन कर लेता है तो उसे ज्ञान मिलता है उसका मानसिक विकास होता है। जिस वृक्ष को प्रारंभ से सुंदर सिंचन और खाद मिल जाती है वह पुष्पित एवं सुगन्धित होकर संसार को सौरभ देने लगता है। इसी प्रकार विद्यार्थी काल में जो बालक श्रम अनुशासन एवं समय नियमन के साँचे में ढल जाता है वह आदर्श विद्यार्थी बनकर सभ्य नागरिक बन जाता है। सभ्य नागरिक के लिए जिन-जिन गुणों की आवश्यकता है उन गुणों के लिए विद्यार्थी काल ही तो सुन्दर पाठशाला है। यहाँ पर अपने साथियों के बीच रहकर वे सभी गुण आ जाने आवश्यक हैं जिनकी विद्यार्थी को अपने जीवन में आवश्यकता होती है।

(क) विद्यार्थी जीवन को मानव जीवन की रीढ़ की हड्डी क्यों माना गया है ?

ख) लेखक ने वृक्ष का उदाहरण देकर क्या समझाना चाहा है ?

ग) आदर्श विद्यार्थी से क्या तात्पर्य है ?

घ) सभ्य नागरिक के लिए आवश्यक गुण कब और कैसे आते हैं ?

ङ) अनुशासन शब्द का विलोम लिखिए।

च) गद्यांश का उपयुक्त शीर्षक लिखिए।

3. पाठ-1 का प्रश्नोत्तर याद कीजिए- (हिन्दी-I)

4. पाठ-1 का प्रश्नोत्तर याद कीजिए- (हिन्दी-II)

5. मुंशी प्रेमचन्द्र और जयशंकर प्रसाद का चित्र कांपी पर बनाकर या चिपकाकर इंटरनेट की मदद से उनके द्वारा रचित कहानियों और उपान्यासों के नाम लिखिए।

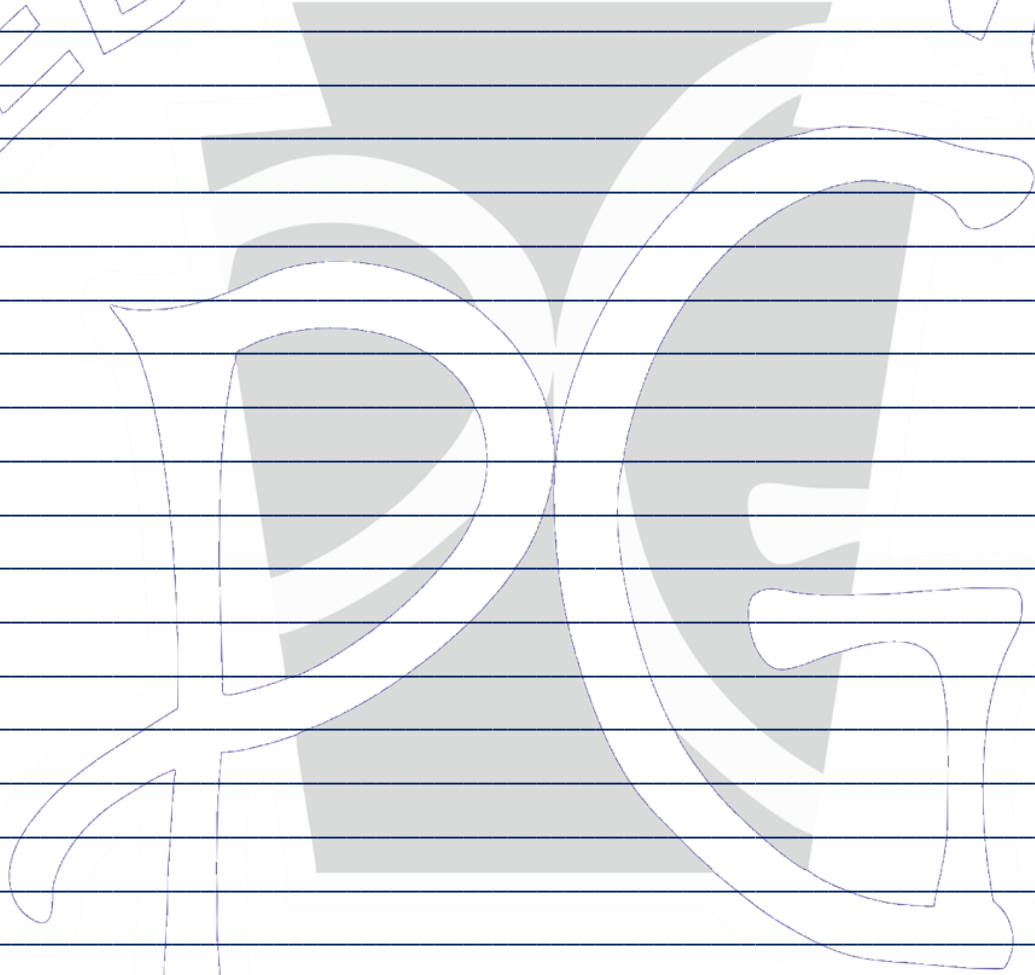
6. किसी एक विषय पर अनुच्छेद लिखिए-

क. मेरे सपनों का भारत

ख. हम सब एक हैं।

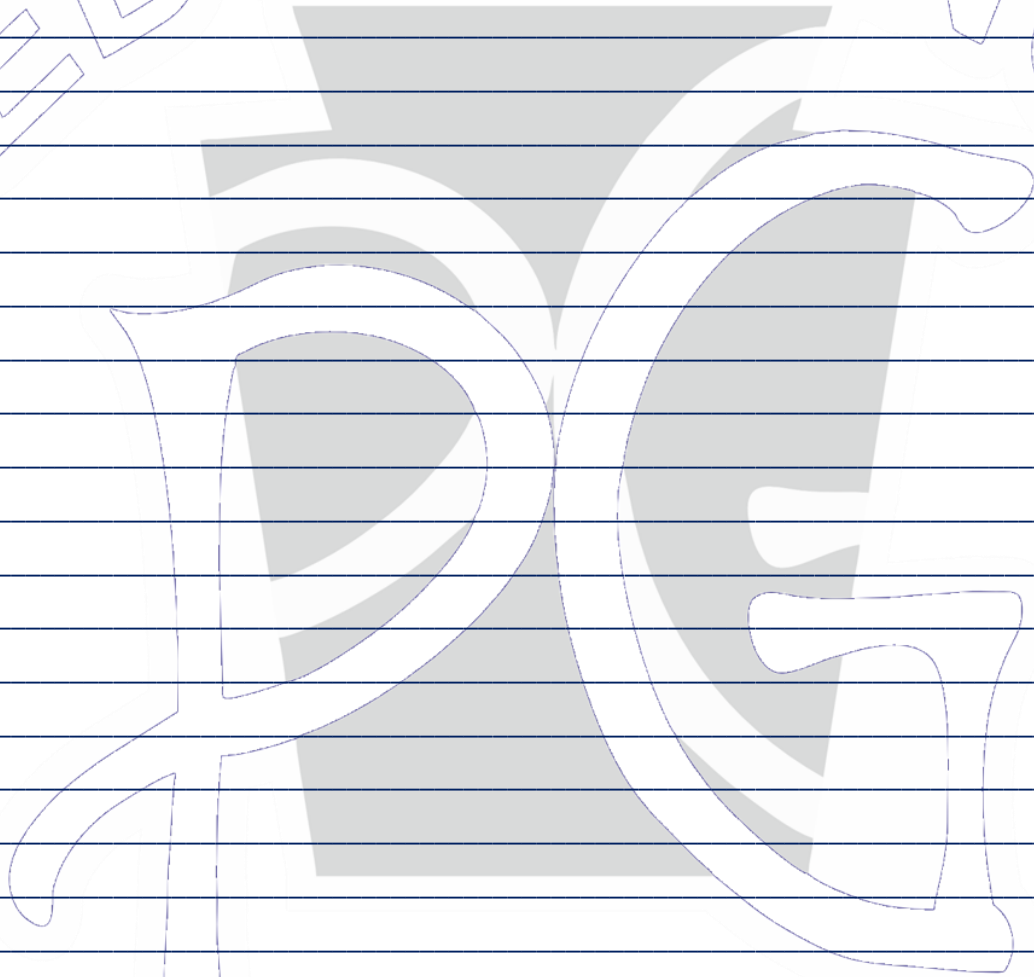
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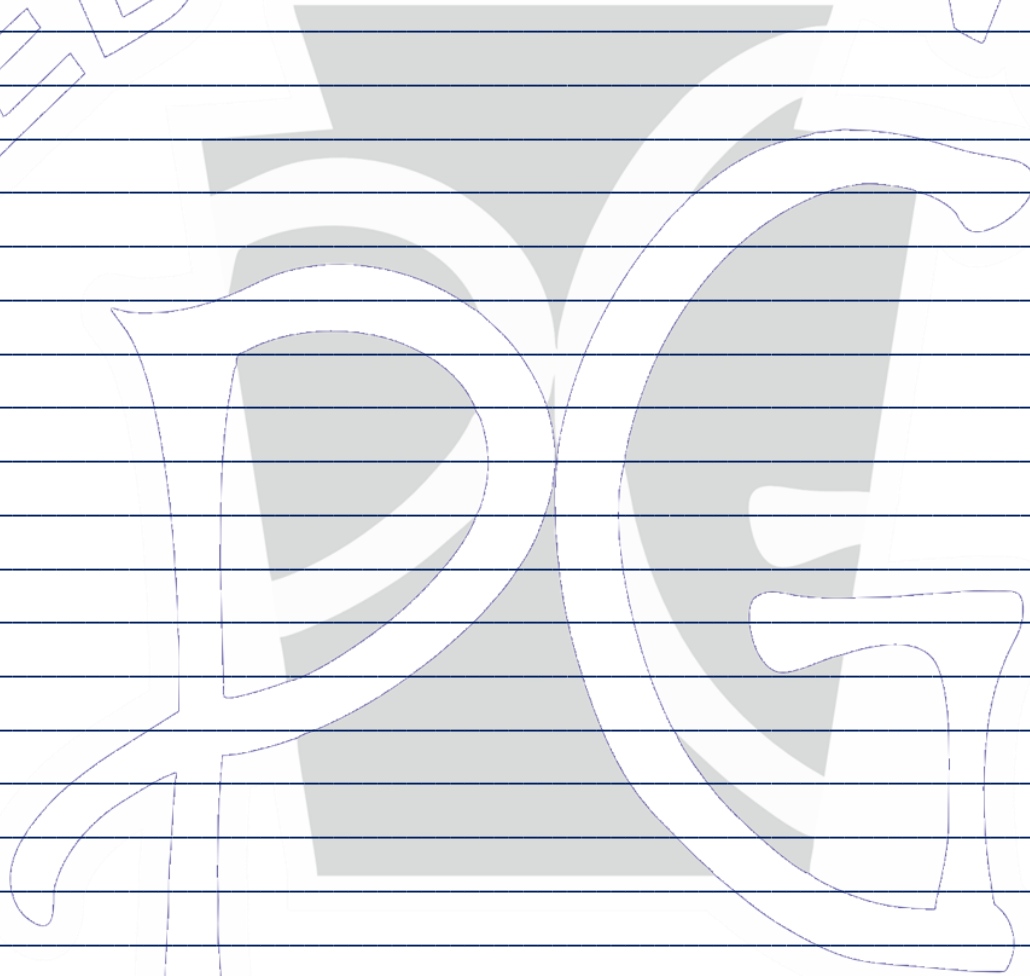
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विषय- संस्कृत

1. नीचे लिखे गए पदों का वर्णसंयोजन और वियोजन करें

क) प् + अ + र् + व् + अ + त् + आः

ख) ग्रामम्

ग) म् + अ + ध् + ऊ + न् + इ

घ) नीडेषु

2. निम्न वर्णों के उच्चारण स्थान लिखें – आ, ल्, व्, ओ, ऊ।

3. नीचे लिखे गए शब्दों के रूप लिखें। अध्यापक कन्या कविए गुरु मातृ प्रकृतिए जननीए अस्मद् युष्मद्।

4. नीचे लिखी गई धातुओं के रूप लट् लृट् तथा लङ्ग लकार में लिखें।

जि, अस्, कृ, गम्, दृश्, स्था, पा, नम्, भू, खाद्, वद्, लिख्।

5. नीचे लिखे गए वाक्यों का संस्कृत में अनुवाद करें

क) यह खेल का मैदान है।

ख) छात्र विद्यालय में पढ़ रहे हैं।

ग) कल घर में पूजा थी।

घ) आद्या भाई के साथ पढ़ने जाएगी।

ङ) वाटिका में बच्चें खेल रहे हैं।

च) समीक्षा पिता के साथ मंदिर गई थी।

6. अकरान्त पुल्लिंग शब्द राम तथा देव का शब्द रूप कंठस्थ करके लिखें।

7. पठ धातु (पढ़ना) तथा भक्ष् धातु (खाना) का धातु रूप लट् लकार (वर्तमान काल) तथा लृट् लकार (भविष्य काल) में कंठस्थ करके लिखें।

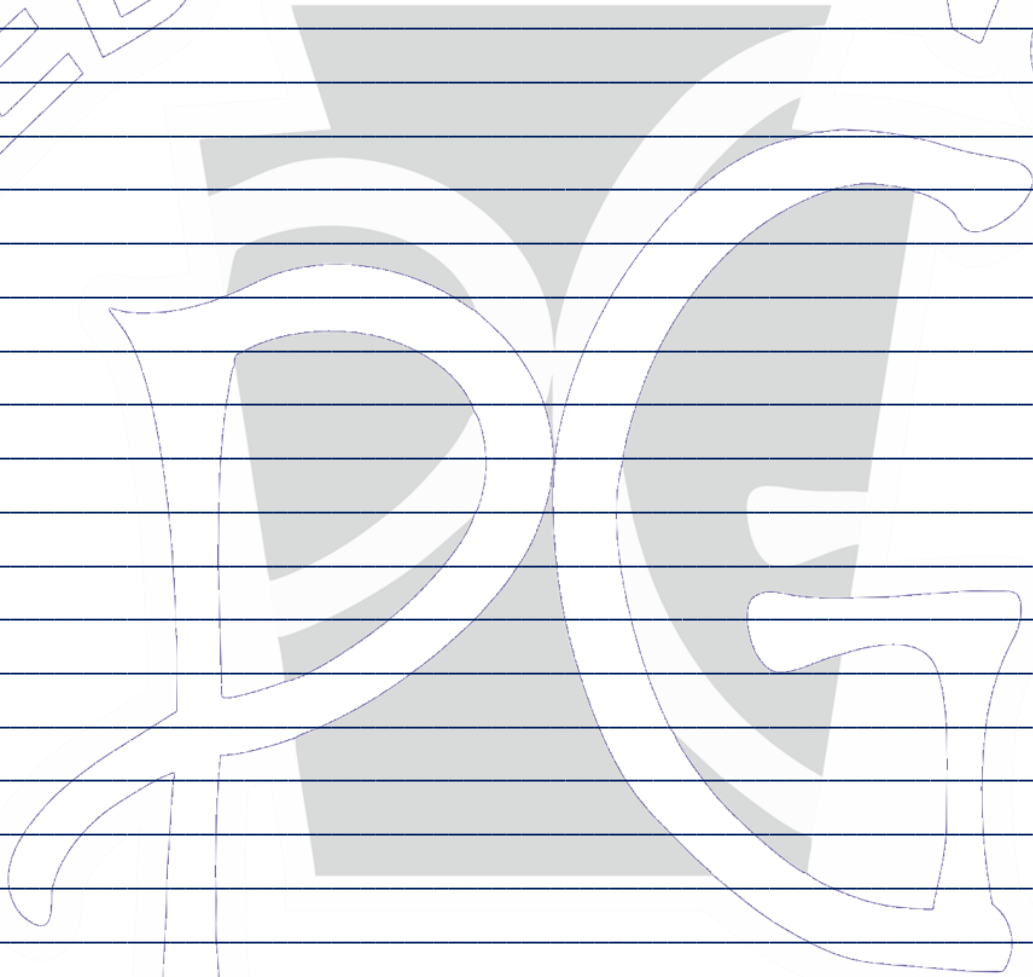
8. आदर्श विद्यार्थी पर एक निबंध संस्कृत में लिखें।

9. किसी एक श्लोक को लिखकर उसका हिन्दी अनुवाद भी लिखें।

10. अपने पाँच मित्रों का नाम लिखकर उसका वर्ण विन्यास करें।

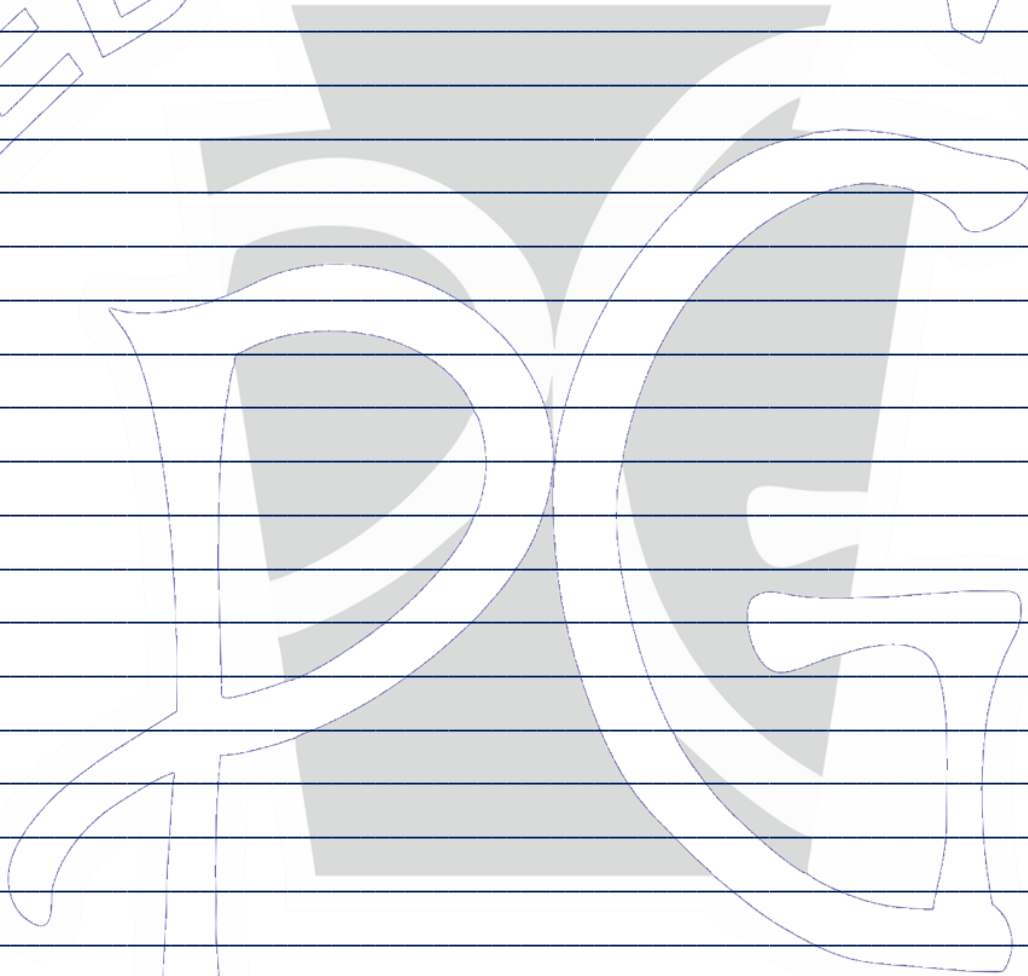
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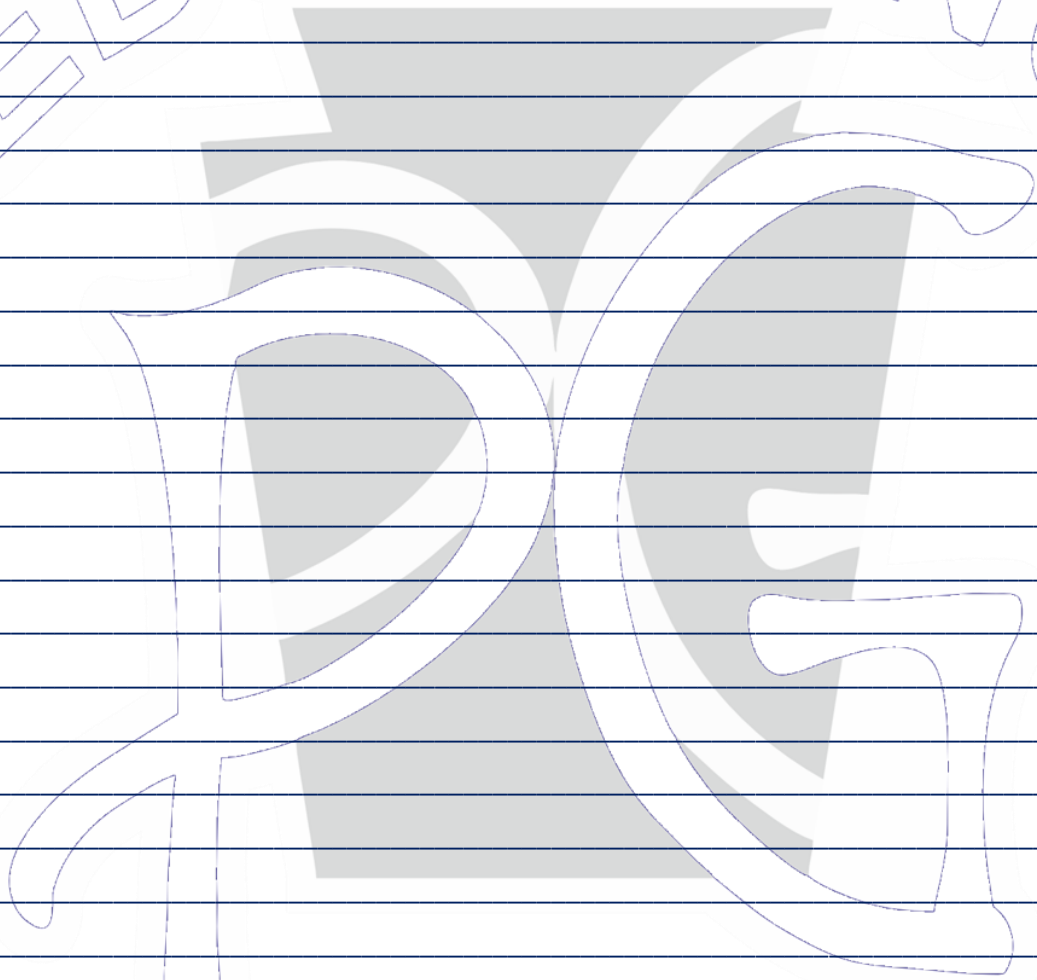
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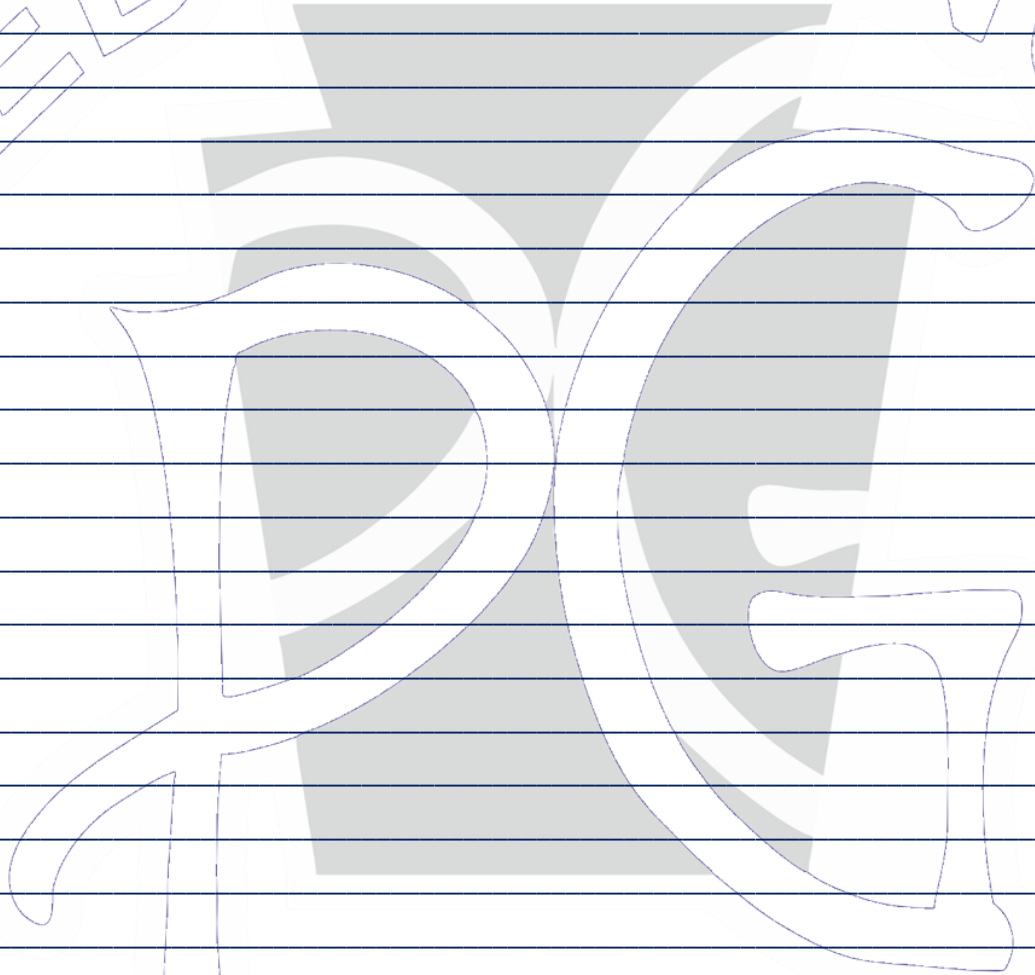
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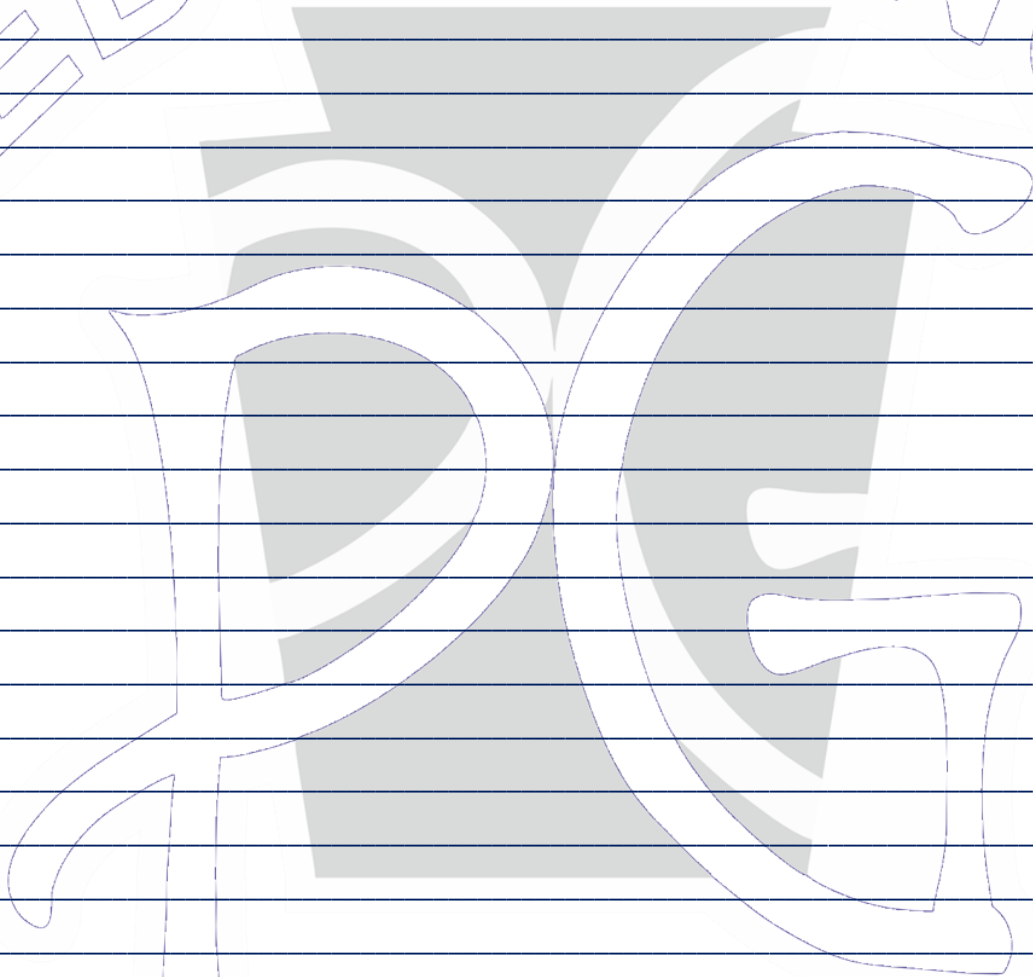
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Subject – Mathematic

1. Simplify: $3 + \frac{1}{2} + 6\frac{1}{4}$
2. The sum of two rational numbers is: $\frac{73}{63}$. If one rational number is $\frac{5}{7}$, find the other rational number.
3. What number should be subtracted from $\frac{7}{25}$ to get $-\frac{3}{25}$
4. Find the square of the following numbers by Column method- 34, 77
5. Evaluate: $\sqrt{7744}$, $\sqrt[3]{46656}$
6. Find the smallest square number that is divisible by each of the numbers 8, 15 and 20.
7. Find the square root of 12.0068 upto four decimal places.
8. Is 1188 a perfect cube? If not, by which smallest natural number should 1188 be divided so that the quotient is a perfect cube?
9. Find the greatest number of 5 digits which is a perfect square.
10. A General of army wants to form a solid square from 36562 soldiers. After arranging them he found that some soldiers were left. How many of them were left?
11. Write the contribution of Aryabhata in mathematics.
12. Draw the shapes of rectangle square parallelogram and its formula for area.
13. Measure the height of your family members and find the mean of the obtained data.

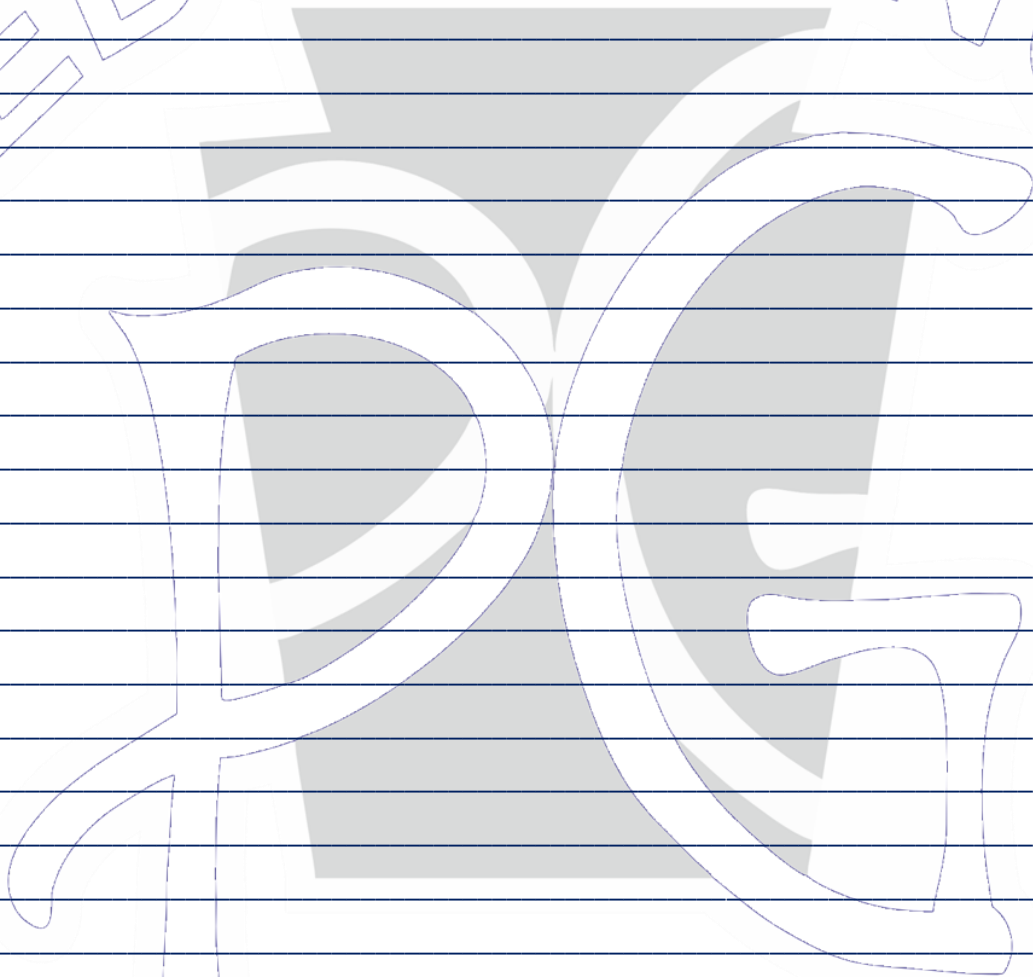
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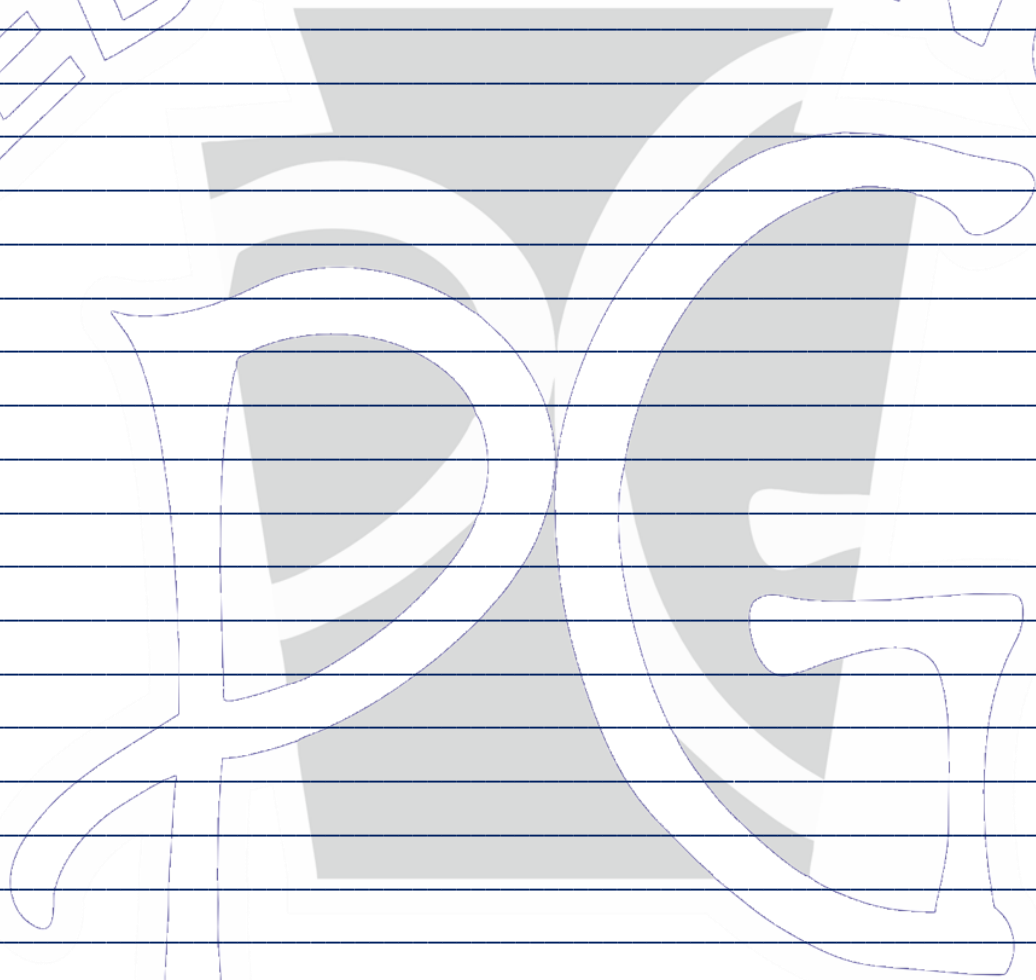
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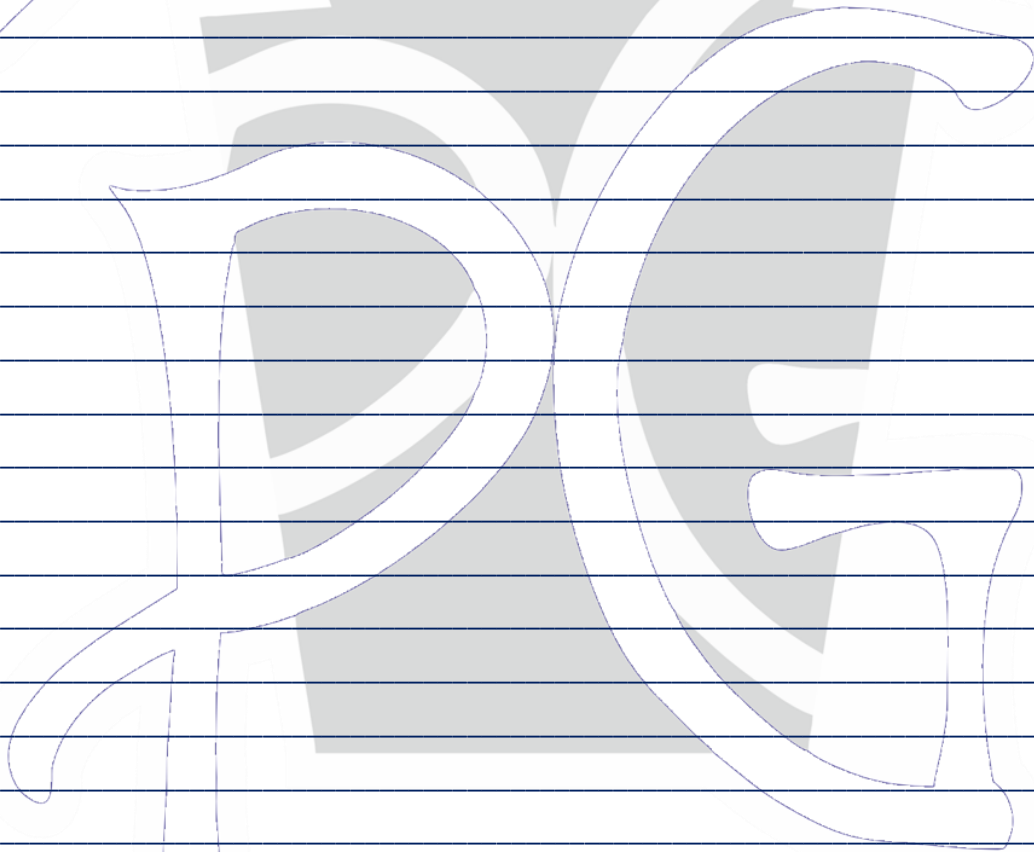
HEART AND MIND

Subject – Science

1. Write an activity to show that liquid pressure increases with increase in depth. Draw a relevant diagram for the same.
2. Explain the law of conservation of mass.
3. Explain about Kinetic Theory of Matter
4. Draw the structure of Xylem tissue and explain its function.
5. Do the exercise of chapter 1 in physics, chemistry, biology
6. How are unicellular organisms different from multicellular organisms?
7. Write the difference in the chemical composition of cell wall and cell membrane of plant cells.
8. Draw the diagram to show the generalised structure of an animal cell and label its parts.
9. Explain the different types of plastids found in plants.
10. Where are the genes located in a cell? Write its function

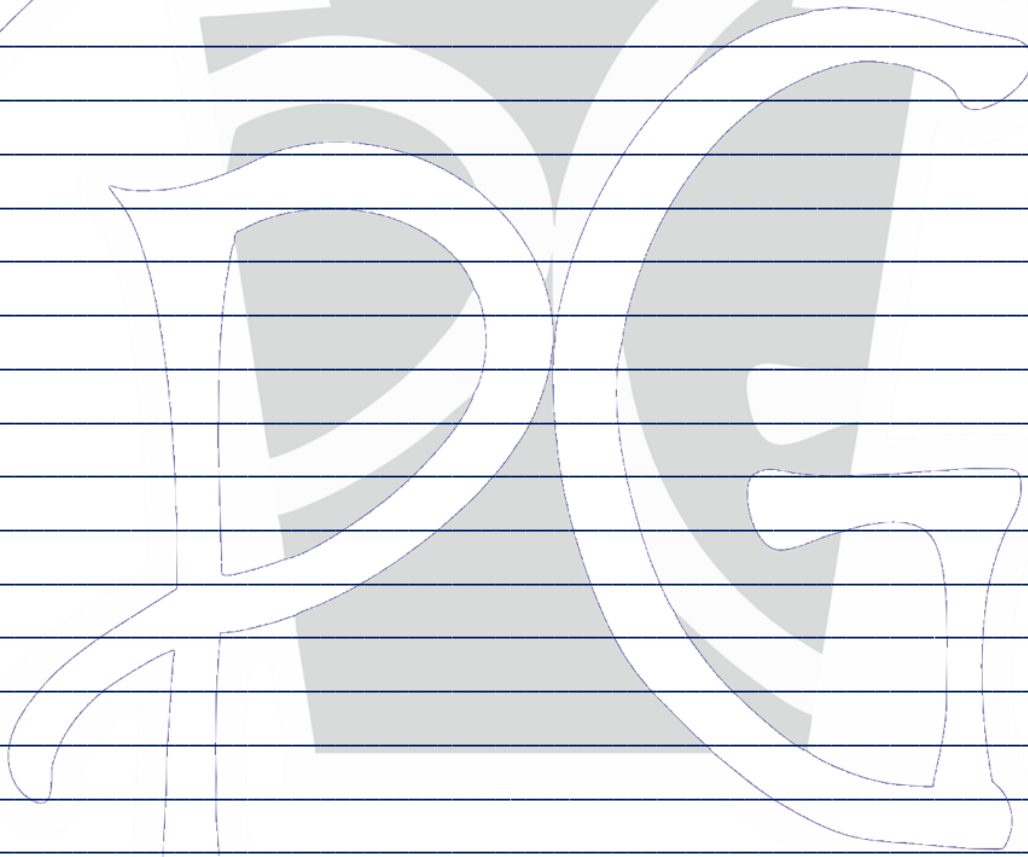
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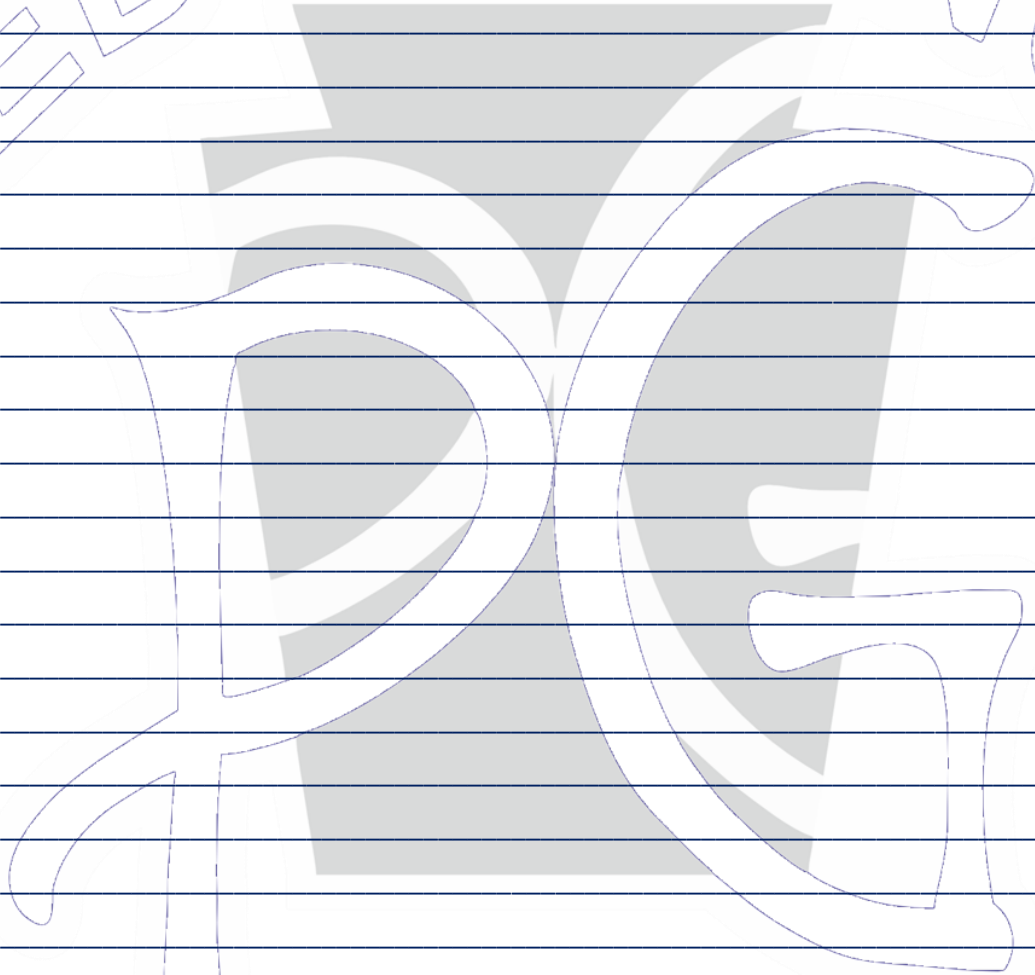
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Subject: Social Science

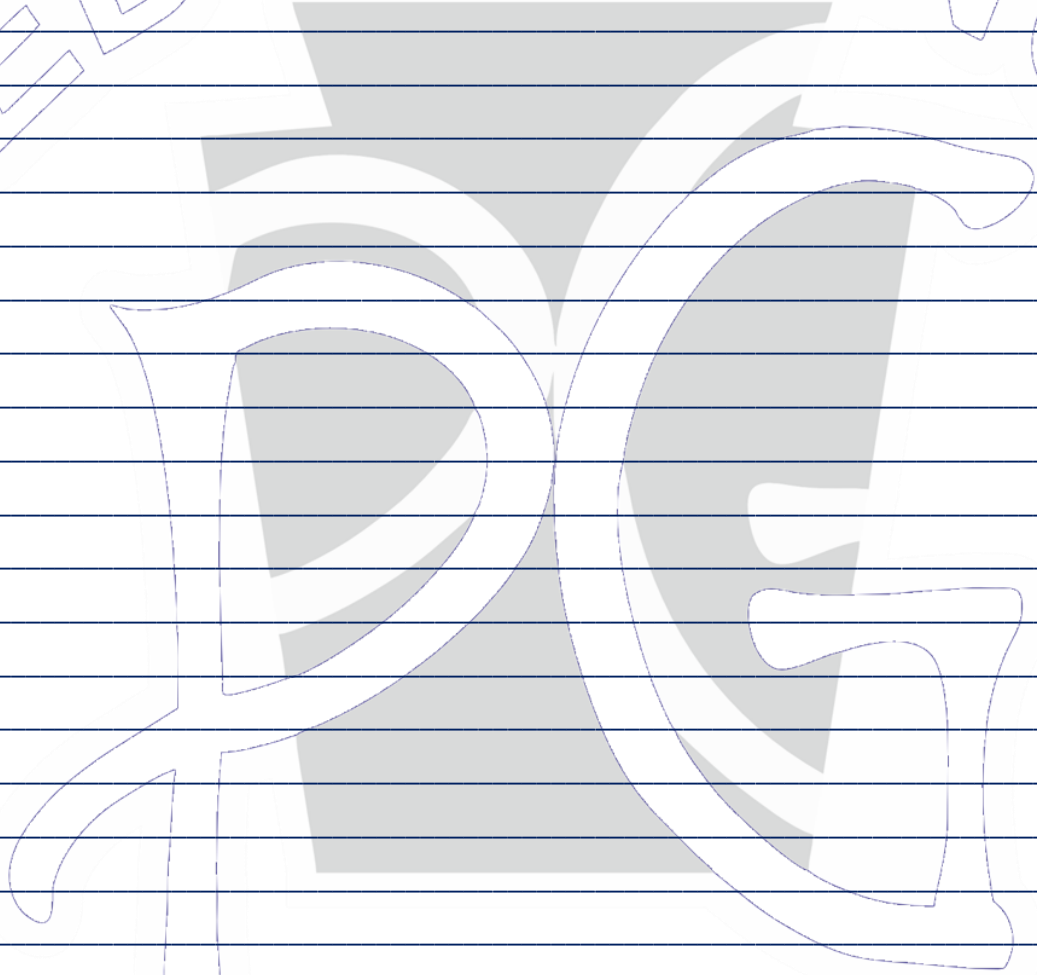
1. Draw and locate the important seas of the world on the world map.
2. Locate the followings on Indian Map
 - a. The Indian Peninsular River Krishna
 - b. Gir National Park and Manas National Park
 - c. Chennai, Chandigarh and Sikkim
 - d. Aravali Hills
3. Make a flow diagram of resources and its classifications.
4. Write a short note on colonialism and Imperialism

Computer

1. What is a network? Explain with its types.
2. What is a topology? Give various examples.
3. Explain star and ring topology.
4. What is the use of coaxial and fiber optic cables?
5. Write a short note on the following. a. Server, b. Workstation
6. Expand the following.
 - a) .com
 - b) .mil
 - c) .org
 - d) .gov
7. What is a Router and Bridge?
8. Explain Modem with diagram.
9. What is networking?
10. Write advantages of networking.

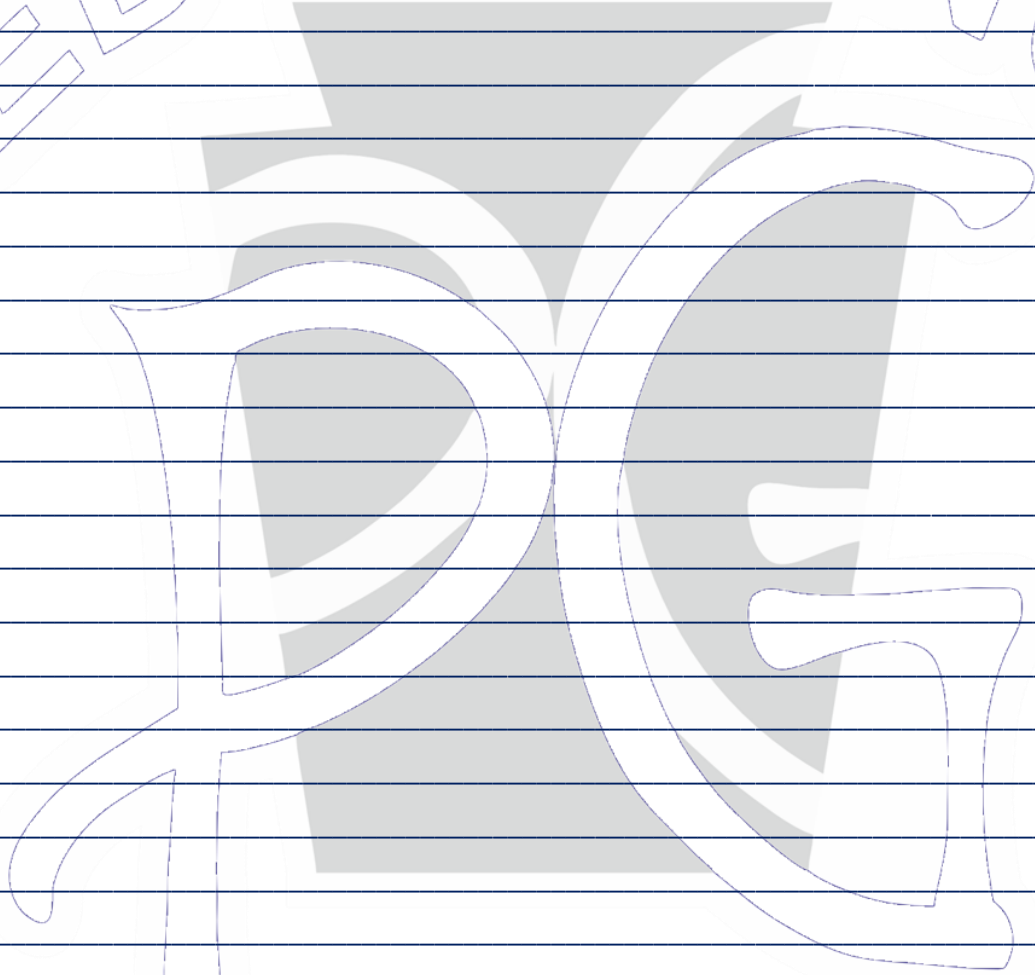
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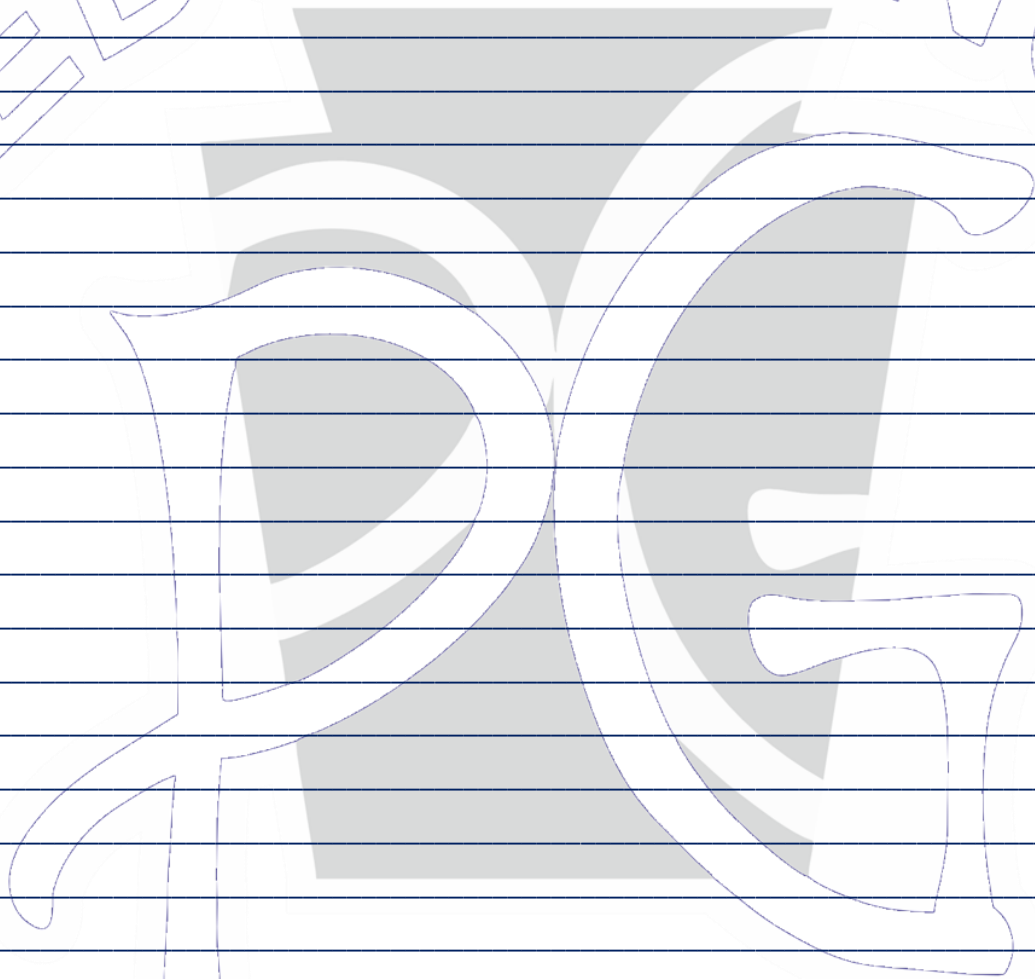
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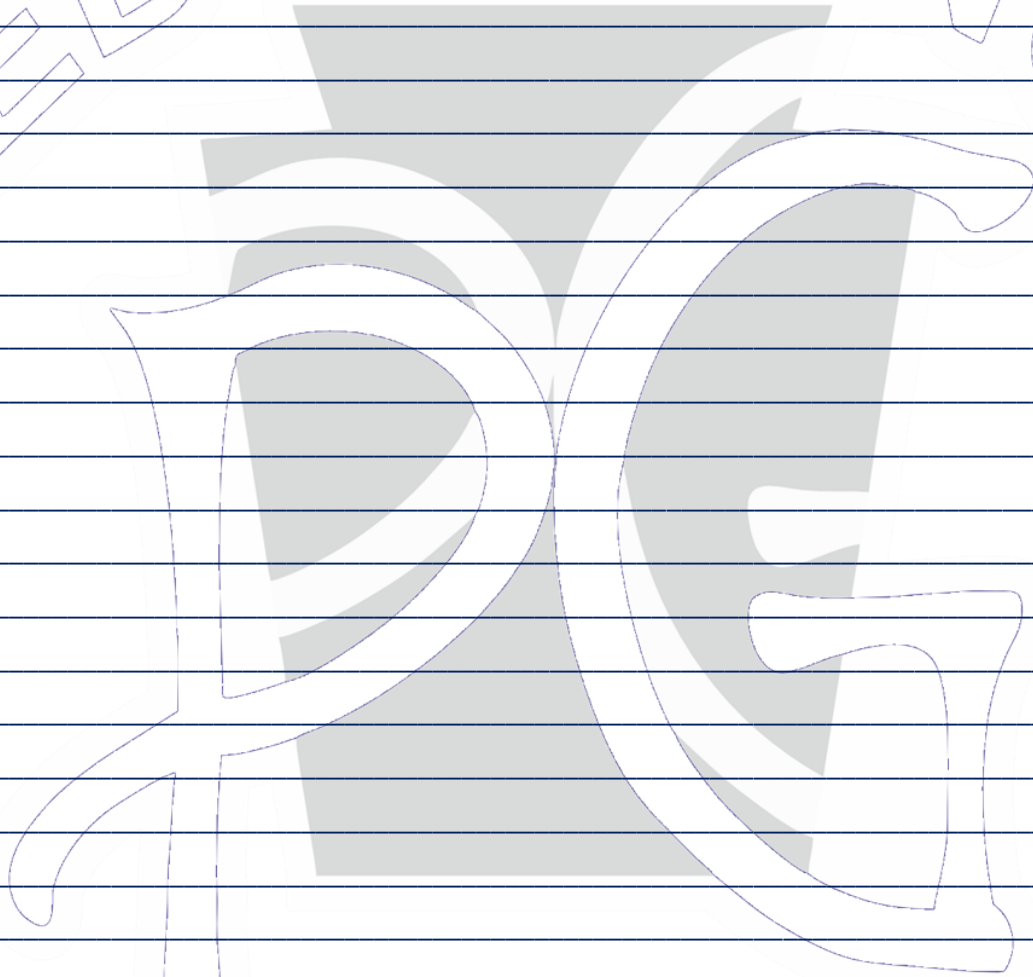
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Smart Activity

- ❖ Plant a tree. Click a photograph with it and share the same in your class group. 1 to 12
- ❖ Write the names of all the teaching staff of your school (P. G. Senior Secondary School)
- ❖ Write the process of making a perfect cup of tea.
- ❖ Write a paragraph on your daily routine and submit it in your class group every day between 8pm to 10 pm.

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NIDHI SINGH
Qualified IIT MAINS
& ADVANCE 2021
(Campus-IIT, Guwahati)



I am Nidhi Singh, I got admission in P.G. Senior Secondary School in class 6th and studied there till class 12th. It has been an amazing experience of my life where the school not only focuses on academics but also on overall development of a student. The teachers here are very helpful and supportive. Moreover, I would like to thank every teacher of this family who helped me to develop my overall personality by correcting my mistakes.

Nidhi Singh

For Admission Enquiry -  +91-9918035063

Address: D.C.F. Chowk, Captainganj-Kushinagar