

Class – XII

Commerce & Humanity



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 passage**

1. Have you ever failed at something so miserably that the thought of attempting to do it again was the last thing on your mind?

2. If your answer is yes, then you should understand that you are not a robot. Unlike robots, we human beings have feelings, emotions, and dreams. We are all meant to grow despite our circumstances and limitations. Flourishing and trying to make our dreams, come true feels great when life goes our way. But what happens when it does not? What happens when you fail despite all your hard work? Do you stay down and accept defeat or do you get up again? If you tend to persevere and keep going, you have what experts call 'grit'.

3. Falling down or failing is one of the most agonising, embarrassing, and scary human experiences. But it is also one of the most educational, empowering, and essential parts of living a successful and fulfilling life. Did you know that perseverance (grit) is one of the seven qualities that has been described as the key to personal success and betterment in society? The other six are curiosity, gratitude, optimism, self-control, social intelligence, and zest. Thomas Edison is an example of grit for trying more than 1,000 times to invent the light bulb. If you are reading this with the lights on in your room, you will realise the importance of his success. When asked why he kept going despite hundreds of failures, he merely stated that they had not been failures, they were hundreds of attempts towards creating the light bulb. This statement not only revealed his grit but also his optimism for looking at the bright side.

4. Grit can be learnt to help you become more successful. One of the techniques that help is mindfulness. Mindfulness is a practice that makes an individual stay at the moment by bringing awareness of his or her experience without judgement. This practice has been used to quieten the noise of fears and doubts. Through this simple practice of mindfulness, individuals have the ability to stop the self-sabotaging downward spiral of hopelessness, despair, and frustration.

5. What did you do to overcome the negative and self-sabotaging feelings of failure? Reflect on what you did, and try to use those same powerful resources to help you today. Moral: Learn from your Mistakes

On the basis of your understanding of the passage, answer any ten questions from the twelve that follow:

(i) The reason why you are not a robot is that:

- (a) You fail miserably at tasks
- (b) Failure and success can affect your emotions
- (c) You work hard
- (d) You have limitations

(ii) Choose the option that best captures the central idea of the passage from the given quotes.

“What is the point of being alive if you don’t at least try to do something remarkable?”

(1) John Green

“Mistakes are the portals of discovery.”

(2) James Joyce

“Failure should be our teacher, not our undertaker. Failure is delay, not defeat. It is a temporary detour, not a dead end.”

(3) Denis Waitley

“A person who never made a mistake never tried anything new.”

(4) Albert Einstein

(a) Option (1)

(b) Option (2)

(c) Option (3)

(d) Option (4)

(iii) What is the tone of the following context: “Falling down or failing is one of the most... educational, empowering, and essential parts of living a successful and fulfilling life.”?

a) Humorous

(b) Optimistic

(c) Horrifying

(d) Solemn

(iv) Which of the following is relevant for the title of the passage.

(a) Dreams Always Come True

(b) Failure and Grit Go Hand in Hand

(c) Humans vs Robots

(d) Falling Down and Getting Up

(v) was created after many attempts.

(a) electricity

(b) light bulb

(c) current

(d) tube light

(vi) Which of the following sentences makes the correct use of “grit”, as used in the passage?

(a) Get rid of that grit in your shoes.

(b) She had a bit of grit in her eye.

(c) The road had been covered with grit.

(d) Her grit never made her give up.

(vii) To develop perseverance one must:

(a) become more aware

(b) work hard

(c) be in the moment and be aware without judgement

(d) seek guidance

(viii) How does mindfulness help?

(a) It creates awareness

(b) It quietens the noise of fears and doubts

(c) It helps one become successful

(d) It helps develop focus

(ix) What do you understand from this line, “Falling down or failing is one of the most agonising, embarrassing, and scary human experiences.”?

(a) Falling down makes us angry.

(b) Failure can deeply affect our emotions

(c) Stay positive and be optimistic

(d) Self-control is empowering

(x) Choose the option that correctly states the meaning of 'social intelligence' as implied in the passage:

- (a) Knowing others (b) Knowing oneself and others
 (c) Knowing oneself (d) Knowing one's surroundings

(xi) The importance of perseverance and optimism for a successful and fulfilling life is explained using the example of?

- (a) Thomas Edison (b) Flourishing
 (c) Grit (d) Limitations

(xii) What is the message conveyed in the last paragraph of the passage?

- (a) Always aim for the best (b) Live life king size
 (c) Through mindfulness we can overcome the negative impact of failure
 (d) Social intelligence is crucial for a successful life

2. While walking in a park in your neighborhood you found a small plastic bag containing some documents and some cash. Write a notice in about 50 words to be put on the park notice board asking the owner to identify and collect it from you. You are Amar/Amrita 9399123456.

3. You are Bharat/Bharti of Safdarjung Development Area, New Delhi. You are deeply saddened by the attacks on elderly persons who live alone. Write a letter to the editor of 'The New India News' with 100-120 words making people aware of the authorities to guarantee that such attacks do not occur.

4. Hard work and punctuality are essential for a happy and successful life. They help in meeting the desired targets of our life. You are Kavya/Kanha. Write an article for your school magazine in 150 – 200 words highlighting the importance of hard work and punctuality in a student's life.

5. Read the extract and answer the questions that follow.

When I passed the town hall there was a crowd in front of the bulletin board. For the last two years, all our bad news had come from there, the lost battles, the draft, the orders of the commanding officer and I thought to myself without stopping "What can be the matter now?"

i. Why was there a huge crowd in front of the bulletin board?

- (a) Due to bad news
 (b) Due to order from Berlin
 (c) Due to introduction of new language
 (d) All of these

ii. What was the bulletin board famous for?

- (a) Good News

- (b) Bad News
- (c) Neither good nor bad
- (d) Either good or bad

iii. Who is the author of 'The Last Lesson'?

- (a) Selma Lagerlof
- (b) Stephen Spender
- (c) Alphonse Daudet
- (d) John Updike

iv. What does the word 'Draft' mean here?

- (a) Compulsory Military Service
- (b) Drawing
- (c) Designs of Alsace and Lorraine
- (d) Both a and b

6. Read the extract and answer the questions that follow Driving from my parent's home to Cochin last Friday morning, I saw my mother, beside me, doze, open mouthed, her face ashen like that of a corpse and realized with pain that she was as old as she looked but soon put that thought away...

i. The poet described her mother as

- (a) beautiful as rose
- (b) young and charming
- (c) old and pale
- (d) kind and loving

ii. "her face ashen like that of a corpse and realized with pain..."

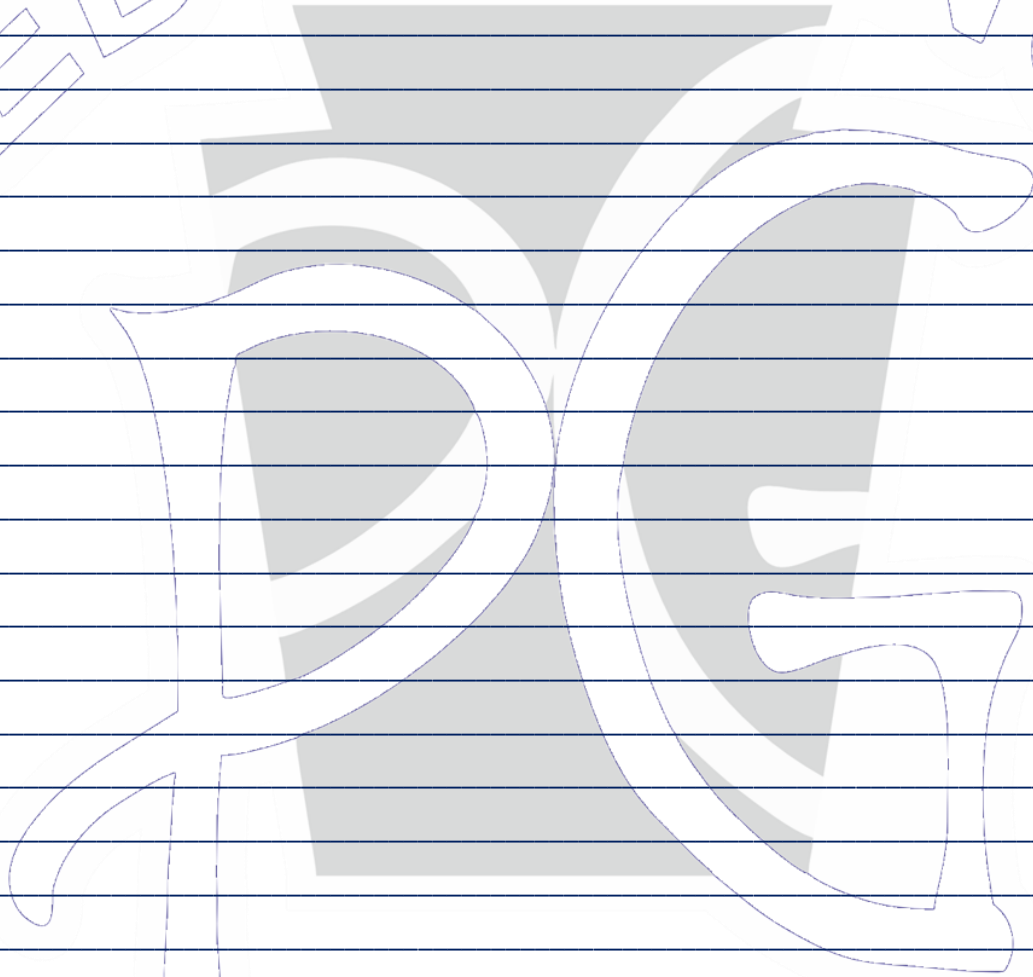
Which poetic device is used in the given lines?

- (a) Metaphor
- (b) Alliteration
- (c) Simile
- (d) Personification

iii. Choose the option that best applies to the given extract.

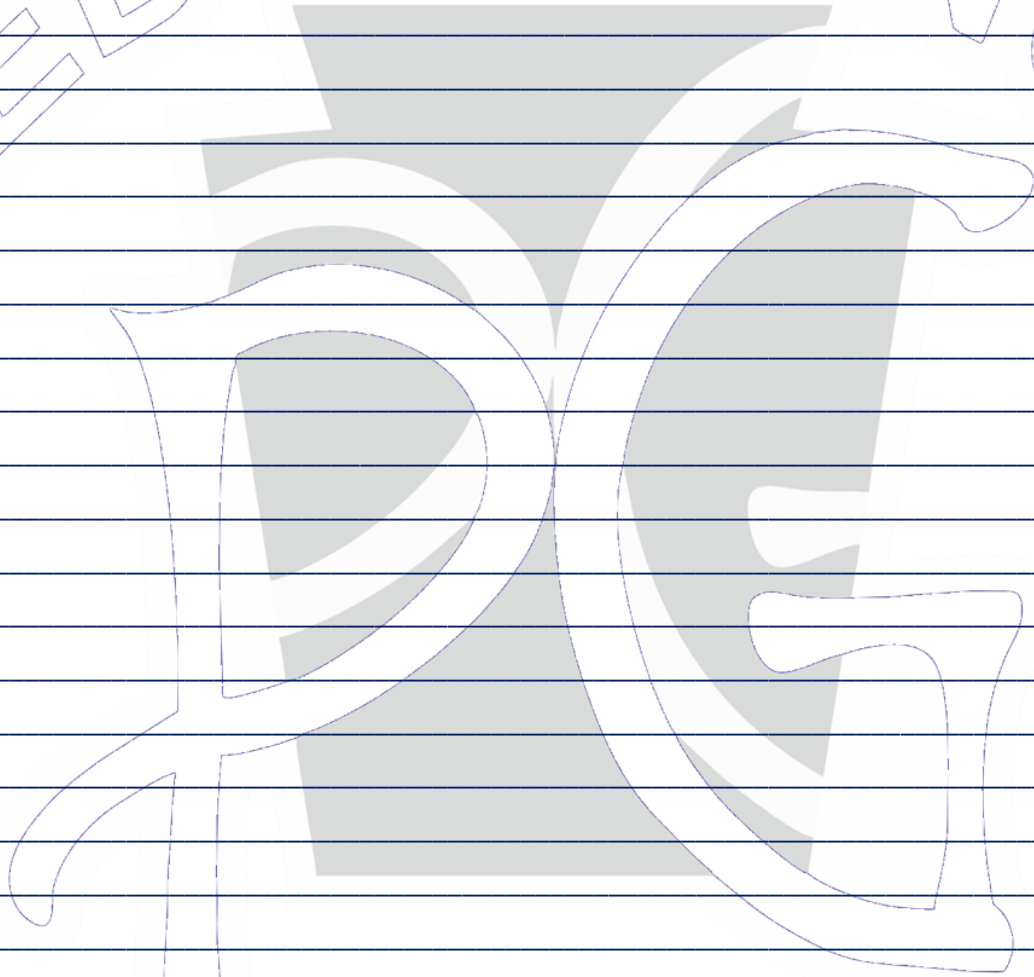
- (1) a request
- (2) an order
- (3) a piece of advice
- (4) an argument
- (5) a recollection
- (6) a suggestion
- (a) 1, 3 and 6

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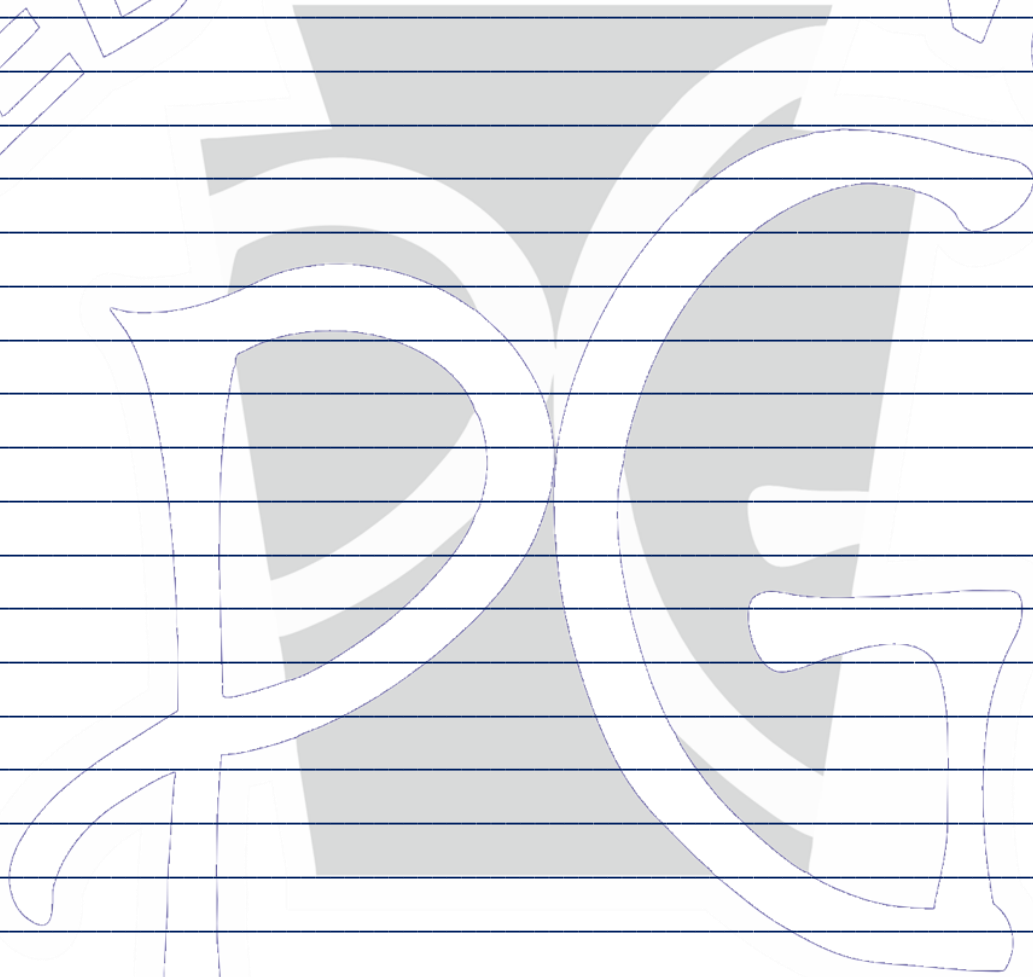
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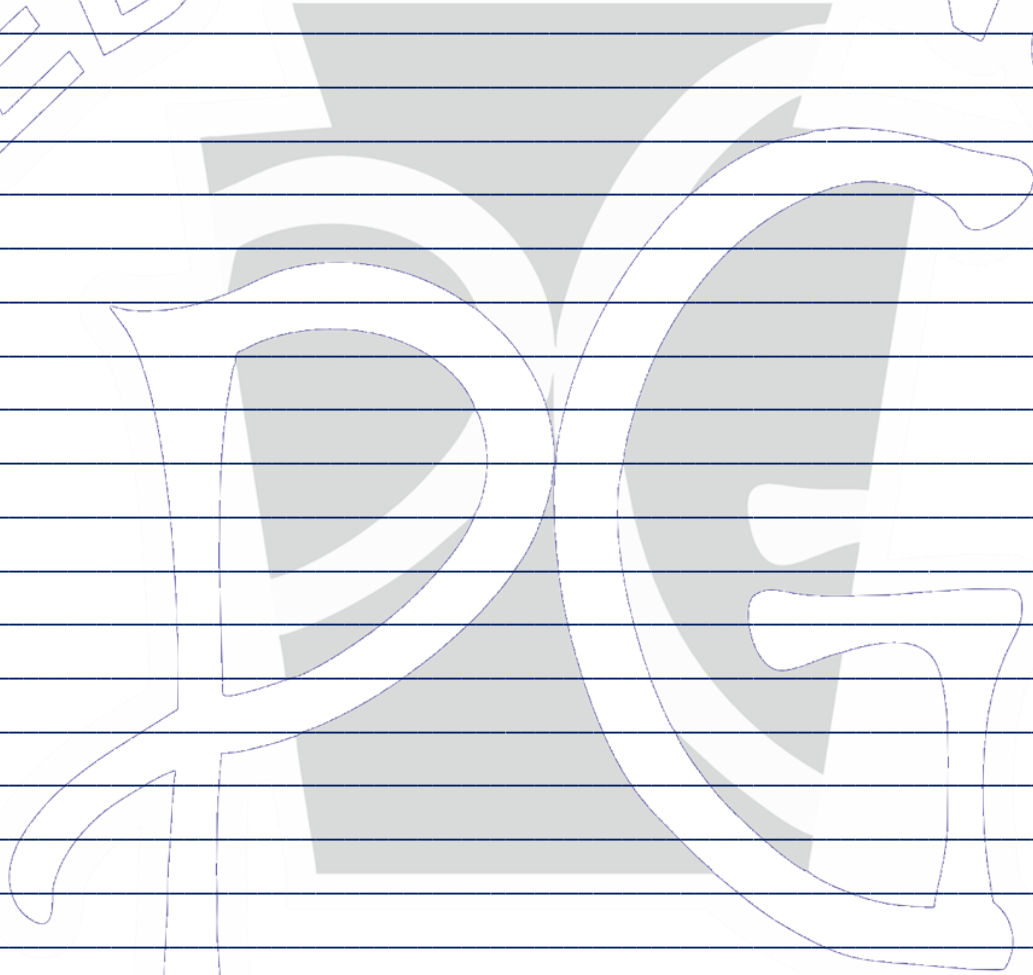
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Subject – Economics

1. State the two components of money supply.
2. What is Cash Reserve Ratio?
3. Explain the credit creation function of the commercial banks by a hypothetical example.
4. Explain any function of RBI.
5. Explain measure of money supply as M1, M2, M3 M4.
6. How many components of NEP are? Explain them.
7. How distinguish between real GDP' and nominal GDP.
8. What is meant by the term money supply?
9. State two primary functions of money.
10. Explain the function of money as 'Unit of value'.
11. What are open market operations? What is their effect on availability of credit?

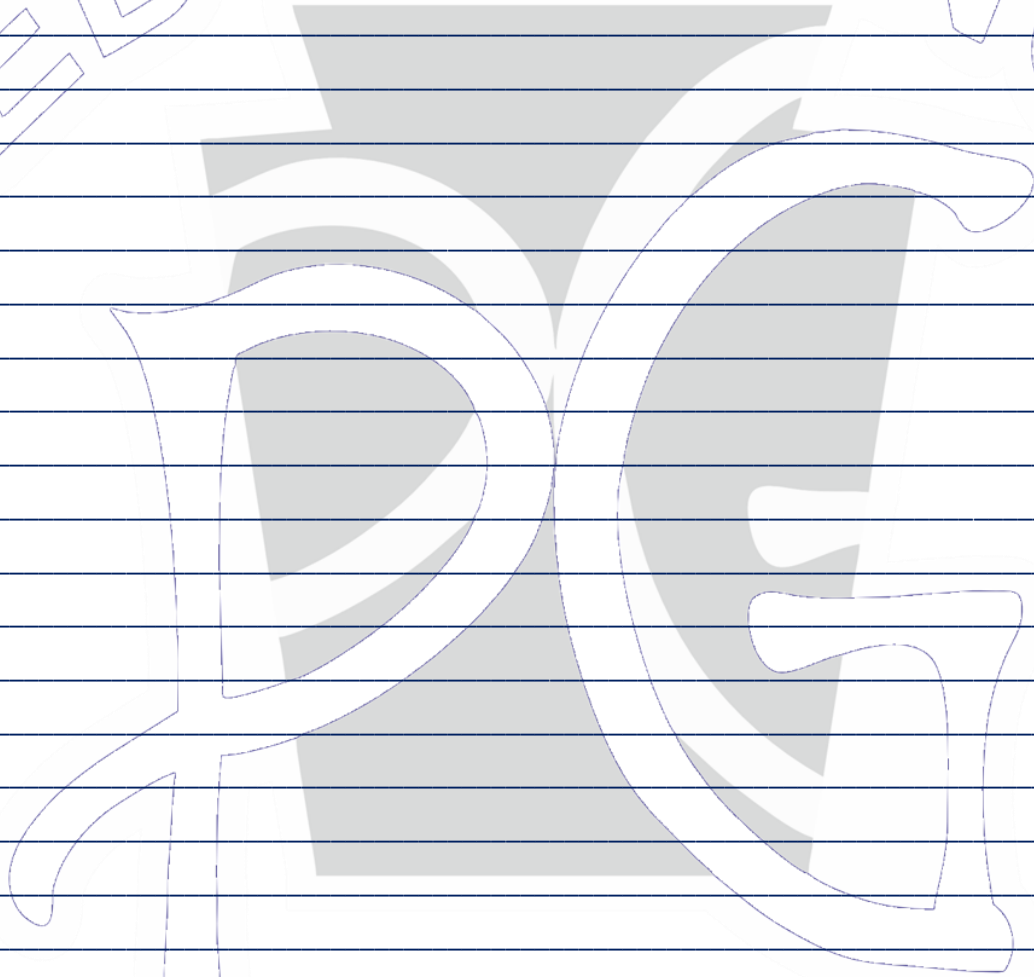
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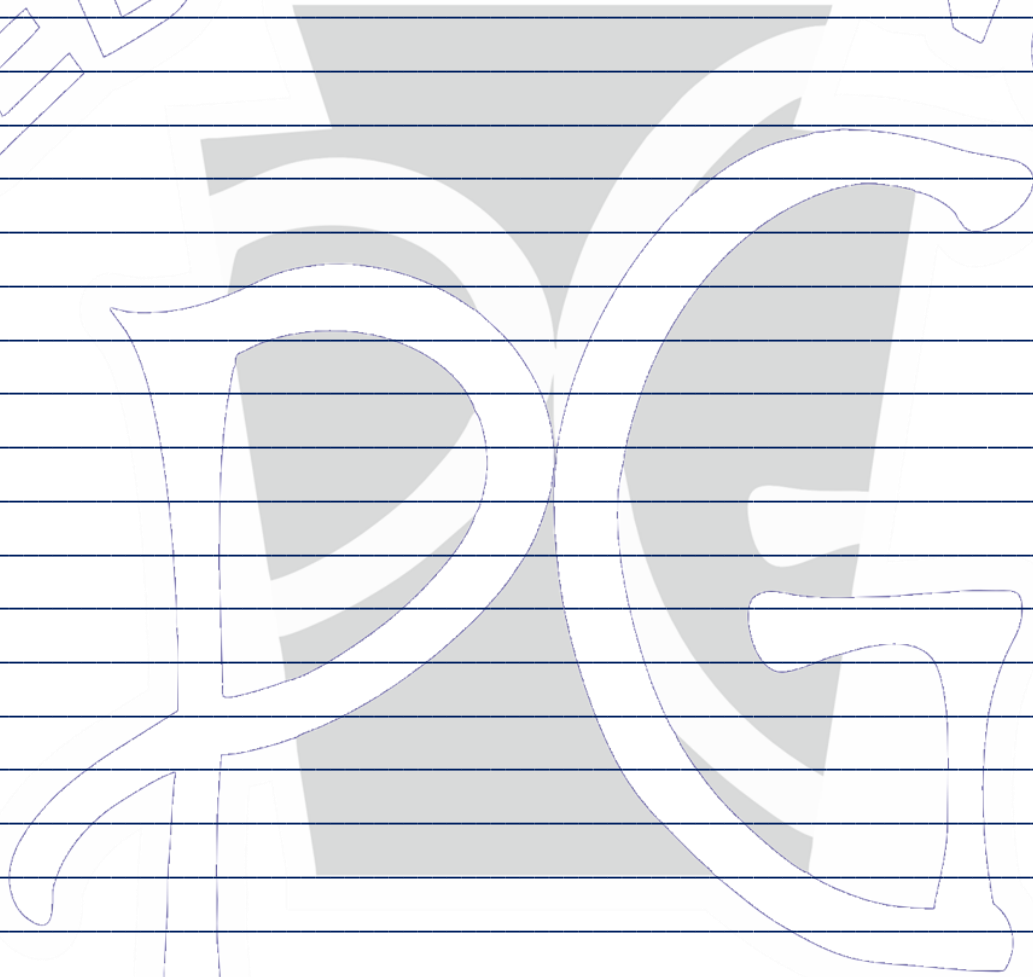
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Subject – Accountancy**ACCOUNTING FOR PARTNERSHIP FIRMS – FUNDAMENTALS**

1. In absence of partnership deed, deficiency arising on guaranteed share is met by other partners in which ratio?

2. Ritesh and Hitesh are childhood friends. Ritesh is a consultant whereas Hitesh is an architect. They contributed equal amounts and purchased a building for Rs.2 crores. After a year, they sold it for Rs.3 crores and shared profits equally. Are they doing business in partnership? Give reason in support of your answer.

3. Kajal, Neerav and Alisha are partners in a firm sharing profits in the ratio of 3 : 2 : 1. They decided to admit Venusan, their landlord as a partner in the firm. Venusan brought sufficient amount of capital and his share of goodwill premium. The accountant of the firm passed the entry of rent paid for the building to Venusan in 'Profit and Loss Appropriation Account'. Is he correct in doing so? Give reason in support of your answer.

4. Differentiate between 'Profit and Loss Appropriation Account' and 'Profit and Loss Suspense Account.'

5. If any partner remains absent from business, share of profit will automatically reduce. (True/False)

21. Sohan and Mohan are partners sharing profits and losses in the ratio of 2:3 with the capitals of Rs 5,00,000 and Rs 6,00,000 respectively. On 1st Jan 2006 Sohan and Mohan granted loans of Rs. 20,000 and Rs 10,000 respectively to the firm. Show the distribution of profit and losses for the year ended 31st March 2006 if the loss before interest for the year amounted to Rs 2,500.

6. P and Q were partners in a firm sharing profits equally. Their fixed capitals were Rs.1, 00,000 and Rs.50, 000 respectively. The partnership deed provided for interest on capital at the rate of 10% per annum. For the year ended 31st March, 2016 the profits of the firm were distributed without providing interest on Capital. Pass necessary adjustment entry to rectify the error.

7. Mudit and Uday are partners in a firm sharing profits in the ratio 2:3. Their capital accounts as on April 1, 2015 showed balances of Rs.70,000 and Rs.60,000 respectively. The drawings of Mudit and Uday during the year 2015-2016 were Rs.16,000 and Rs.12,000 respectively. Both the amounts were withdrawn on 1st January 2016. It was subsequently found that the following items had been omitted while preparing the final accounts for the year ended 31st March 2016.

(a) Interest on capitals @ 6% p.a.;

(b) Interest on drawings @ 6% p.a.;

(c) Mudit was entitled to a commission of Rs.4,000 for the whole year. Showing you workings clearly, pass a rectifying entry in the books of the firm.

8. On 1st April, 2014 a firm had assets of Rs.1,00,000 excluding stock of Rs. 20,000. Partners' capital accounts showed a balance of Rs. 60,000. The current liabilities were Rs.10,000 and the balance constituted the reserve. If the normal rate of return is 8%, the Goodwill' of the firm is valued at Rs.60,000 at four years of purchase of super profit, find the average profit of the firm.

9. Asha and Aditi are partners in a firm sharing profits and losses in 3:2. They admit Venus as a new partner for 1/4th share in profits. At the time of admission, Goodwill is to be valued at two years' purchase of the average profits of last four years.

The profits of last four years were –

Year	Profits
2013-14	3,50,000
2014-15	4,75,000
2015-16	6,70,000
2016-17	7,45,000

The following additional information is given-

- To cover management cost an annual charge of Rs.56,250 should be made for the purpose of valuation of goodwill.
- The Closing Stock for the year ended 31.03.17 was overvalued by Rs.15,000.

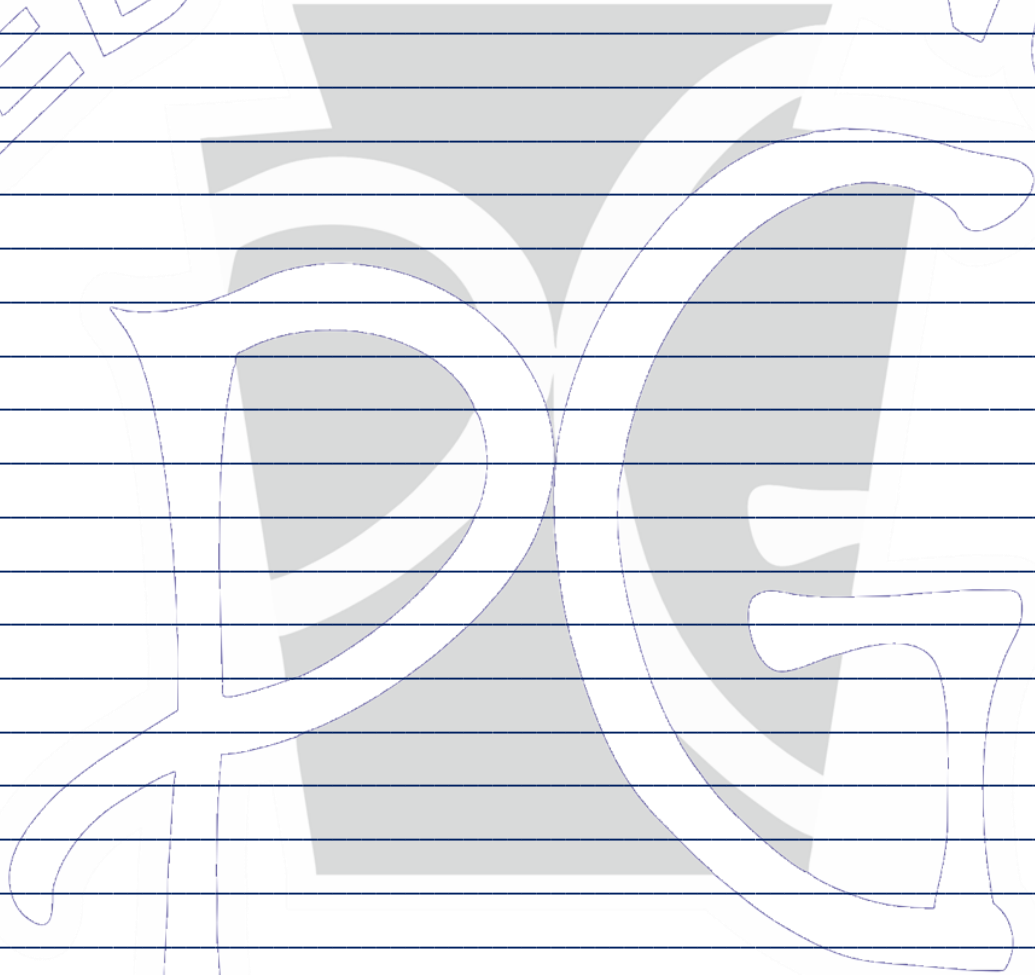
Calculate Value of Goodwill of Firm at time of Venus's admission.

10. On April 1, 2018, a firm had assets of Rs1, 00,000 excluding Stock of Rs 20,000. The current liabilities were Rs10, 000 and the balance constituted Partners' Capital Accounts. If the normal rate of return is 8%p.a., the Goodwill of the firm is valued at Rs 60,000 at four years purchase of super profit, find the actual profits of the firm.

11. Shreya & Vivek were partners sharing profits in the ratio 3:2. The balances in capital & current accounts of Shreya and Vivek as on 01.04.2017 were Rs.3,00,000 and Rs.2,00,000 and Rs.1,00,000(Cr.) and Rs.28,000(Dr.) respectively. The partnership deed provided that Shreya was to be paid a salary of Rs.5,000 p.m. and Vivek was to get a commission of Rs.30, 000 p.a. Interest on Capital was to be allowed @ 8% p.a. whereas Interest on Drawings were to be charged @ 6% p.a. The drawings of Shreya were Rs.3, 000 at the beginning of each quarter while Vivek withdrew Rs.30, 000 on 01.09.2017. Net profits before making the above adjustments were Rs.1, 20,000. Prepare Profit & Loss Appropriation A/c. And Partners Capitals and Current A/cs.

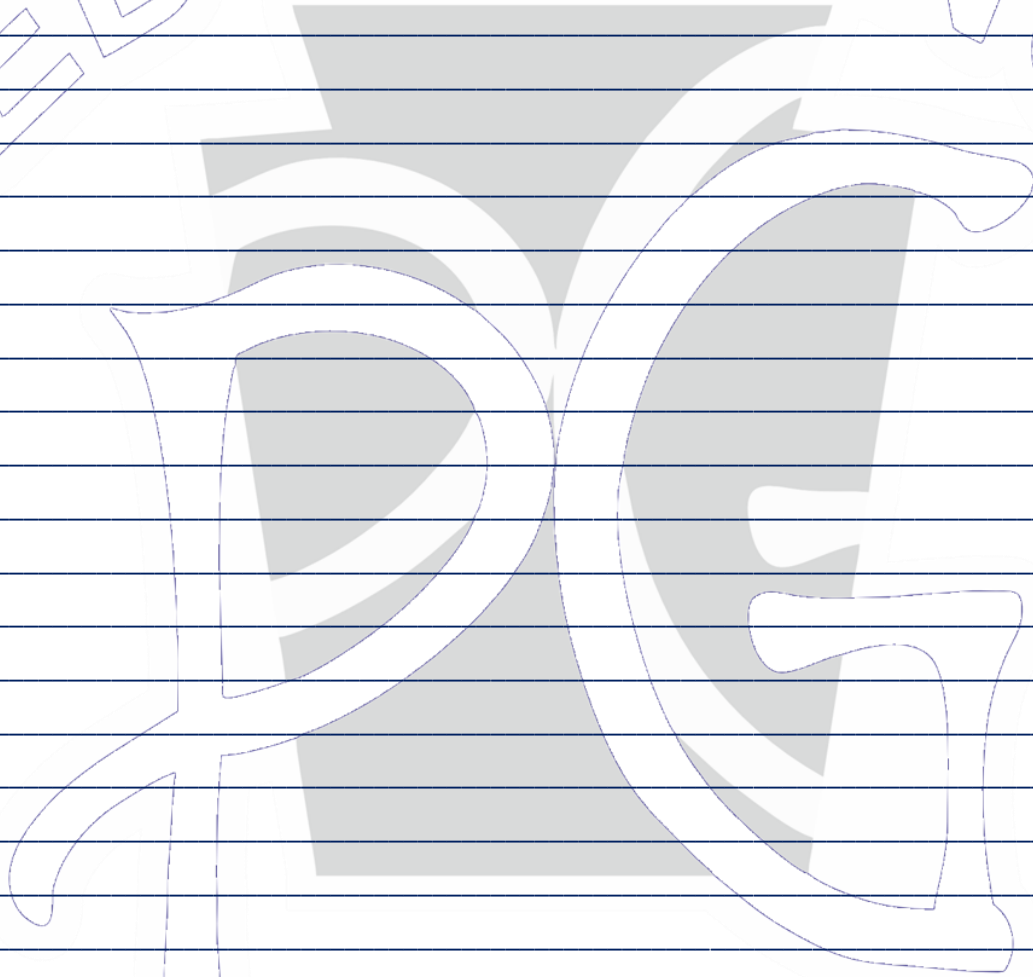
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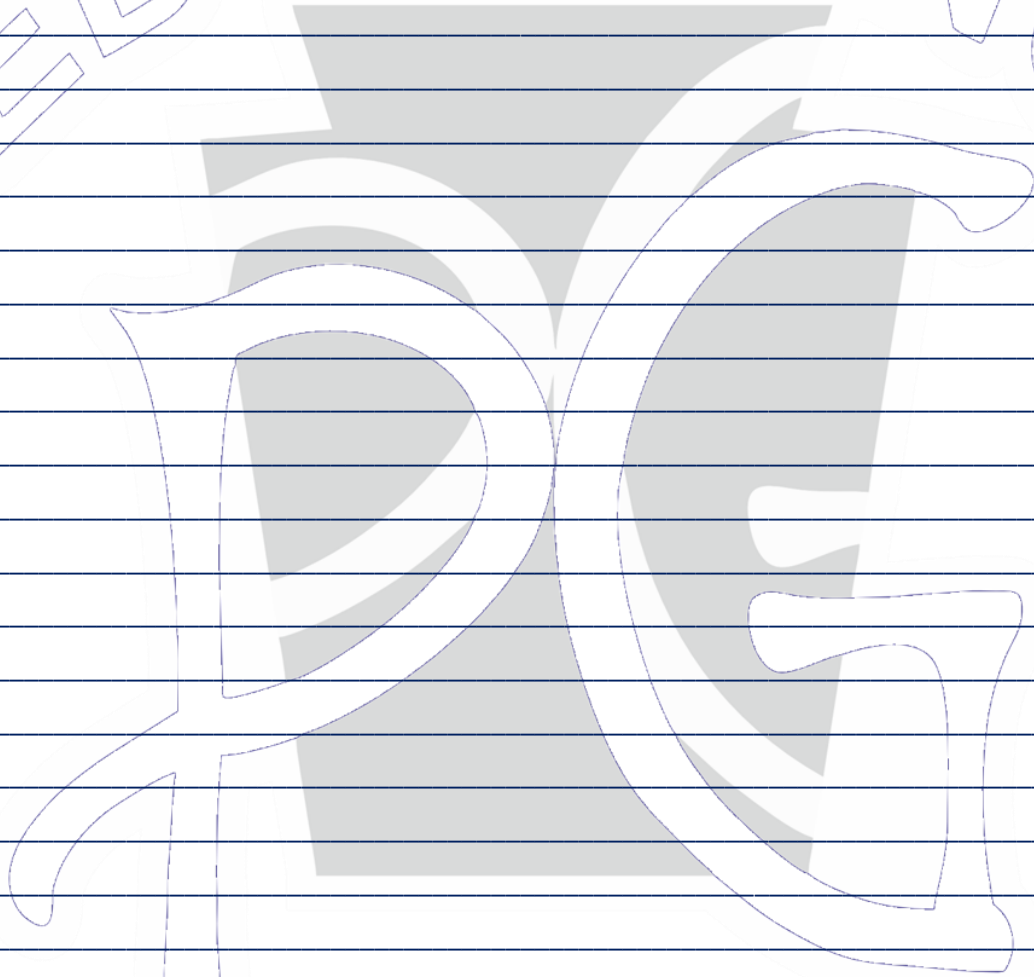
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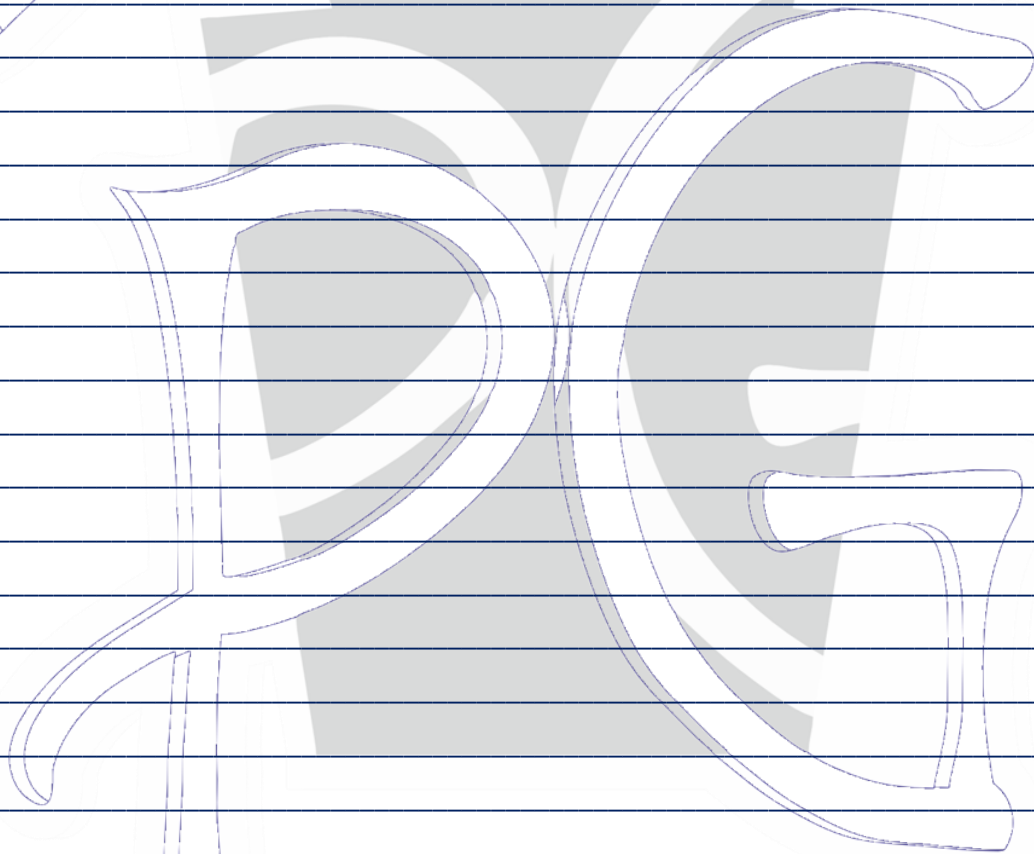
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Subject – Business Studies**SIGNIFICANCE OF MANAGEMENT**

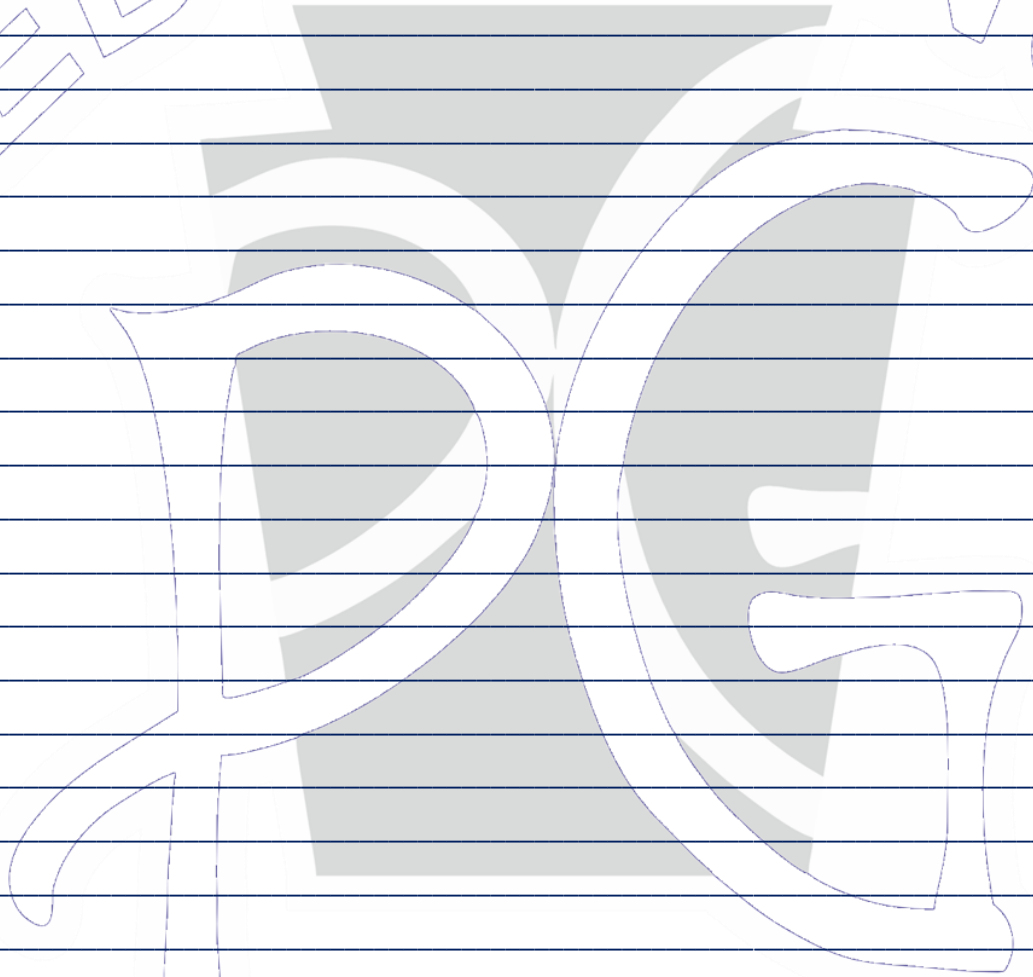
1. At what level of management, managers are responsible for the welfare and survival of the organization.
2. Describe management as a process.
3. Enumerate any two functions of middle level management.
4. Volvo Ltd's target is to produce 10,000 shirts per month at a cost of Rs. 100 per shirt. The production manager achieved this target at a cost of Rs. 90 per shirt. Do you think the "production manager" is effective? Give one reason in support of your answer.
5. "Management is skillful and personal application of existing knowledge to achieve desired results". Explain.
6. Is management a full fledged profession? Give any three reasons in support of your answer.
7. Dheeraj is working as "Operations Manager" in Tifco Ltd. Name the managerial level at which he is working. State any four function he will perform as 'Operations Manager' in this company.
8. Coordination is 'synchronization of group efforts to achieve organizational objectives'. In the light of this statement, highlight any five features of co-ordination.
9. Give the meaning of management and explain how it 'creates a dynamic organization' and helps in the development of society.
10. XYZ Power Ltd. set up a factory for manufacturing solar lanterns in a remote village as there was no reliable supply of electricity in rural areas. The revenue earned by the company was sufficient day by day, so the company decided to increase production to generate higher sales. For they decided to employ people from the nearby villages as very few job opportunities were available in that area. The company also decided to open schools and crèches for the children of its employees.
 1. Identify and explain the objectives of management discussed above.
 2. State any two values which the company wanted to communicate to the society. Principles of Management
 3. The management of a company promises the workers to pay extra wages if they work overtime, but later on management refuses to pay extra wages. Which principle is violated in this case?
 11. 'A manager should replace 'I' with 'we' in all his conversation to encourage team spirit'. Identify the principle of management emphasized here.
 12. Taylor overlooks the principle of equity derived by Fayol?
 13. On which principle of Fayol, Taylor's technique of functional foremanship is based?
 14. Give any one reason why principles of management are called contingent?
 15. Name and explain the principle of scientific management which emphasizes on study and analysis of methods rather than estimation.
 16. "Aapka Vidyalaya" believes in holistic development of students and encourages team building though a mix of curricular, co-curricular and sports activities. On its founders day a stage performance had to

be put up. A committee of ten perfects was constituted to plan different aspects of the function. They all decided to use recycled paper for decoration. There was a spirit unity and harmony and all members supported each other. With mutual trust and the programme was systematically planned and executed. Kartik, one of the perfects that unknowingly the group had applied one of the principle of management while planning and executing the programme. He was so inspired by the success of the function that he asked his father to apply the same principle in his business. His father replied that he was already using this principle.

1. Identify the principle of management applied for the success of the programme.
2. State any two features of management highlighted in the above para.
3. Identify any two values which 'Aapka Vidyalaya' communicated to the society.

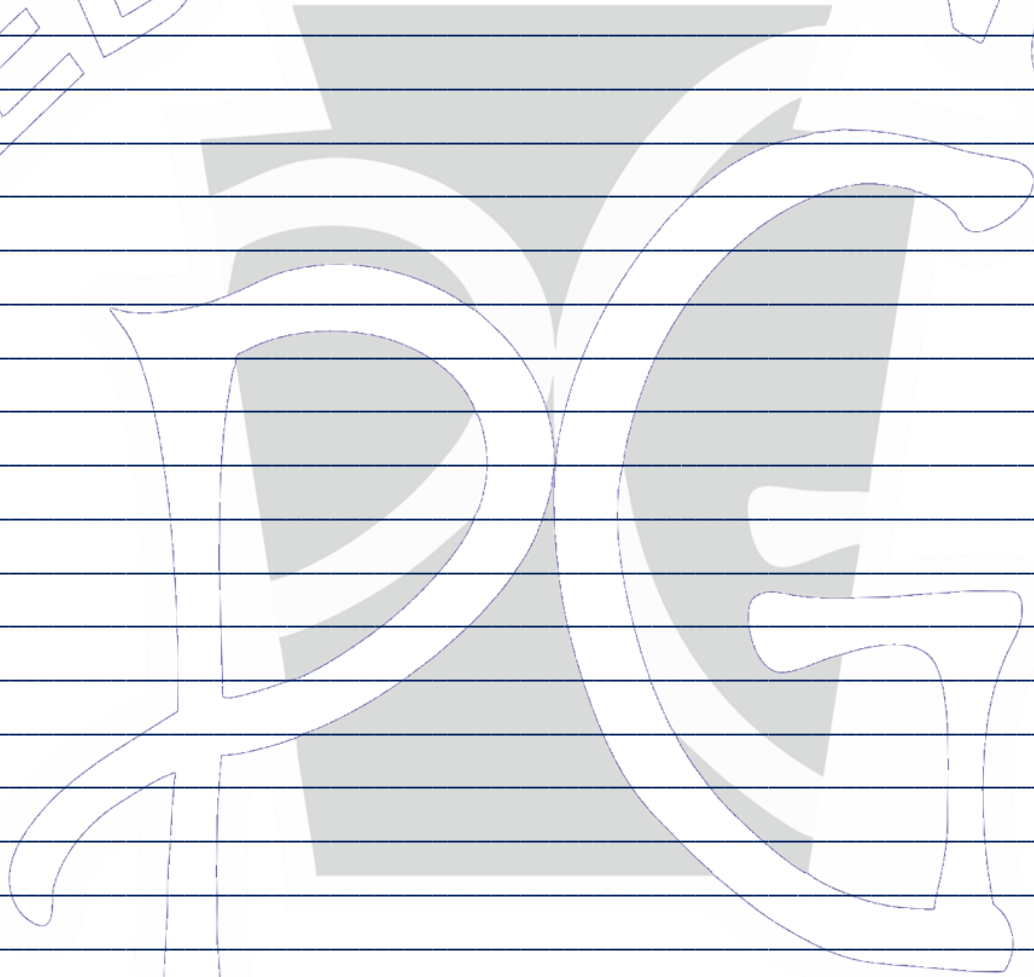
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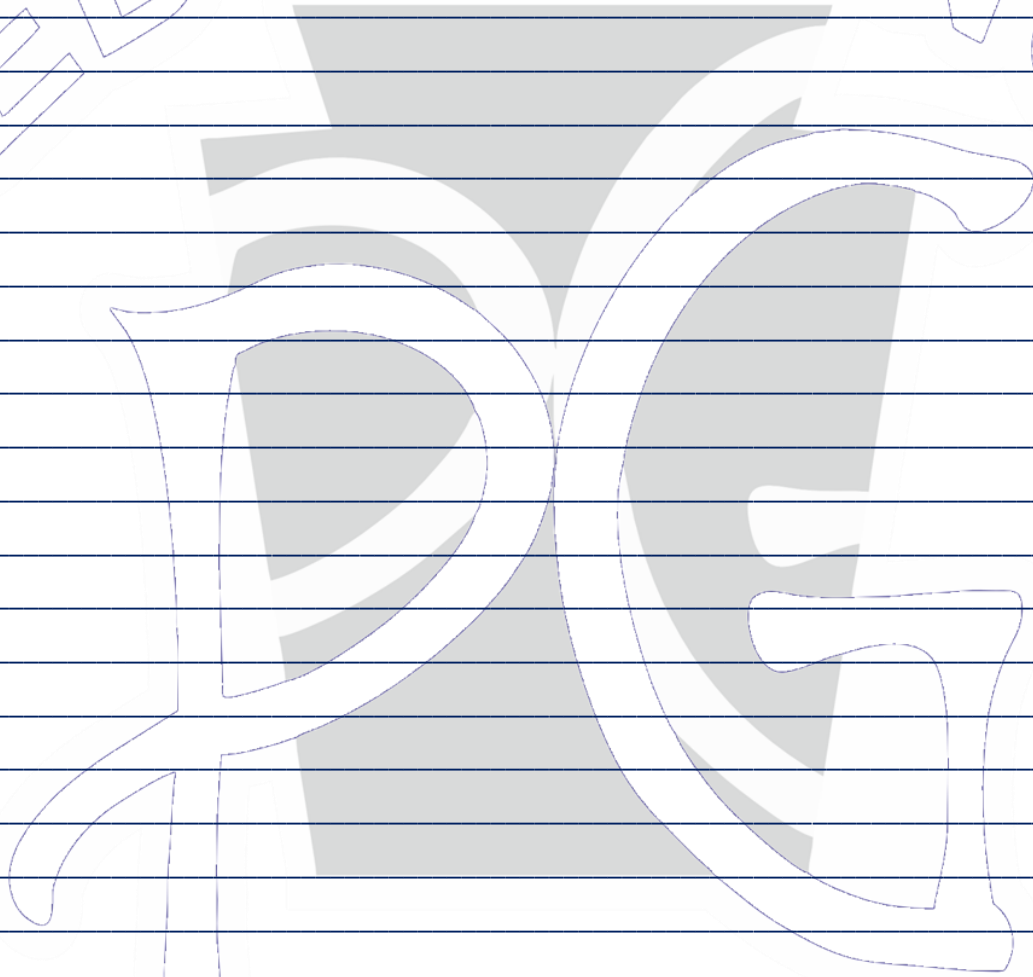
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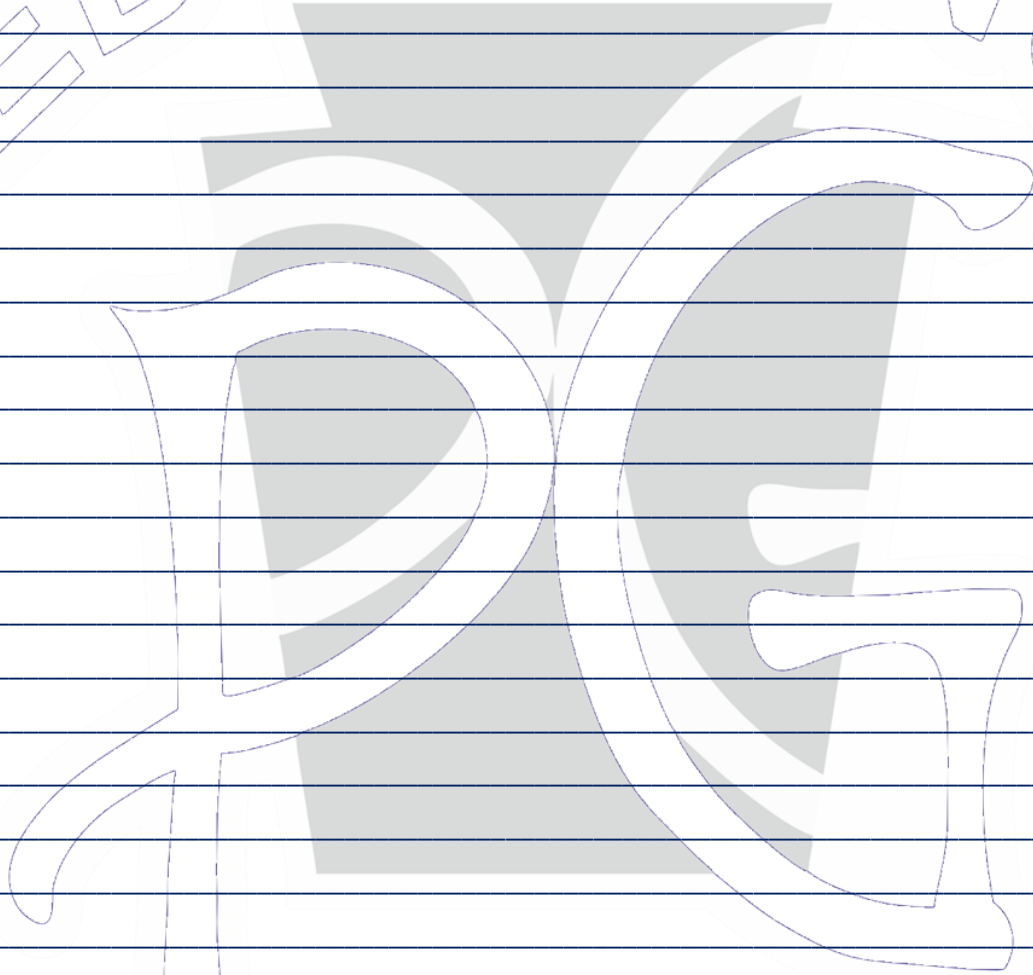
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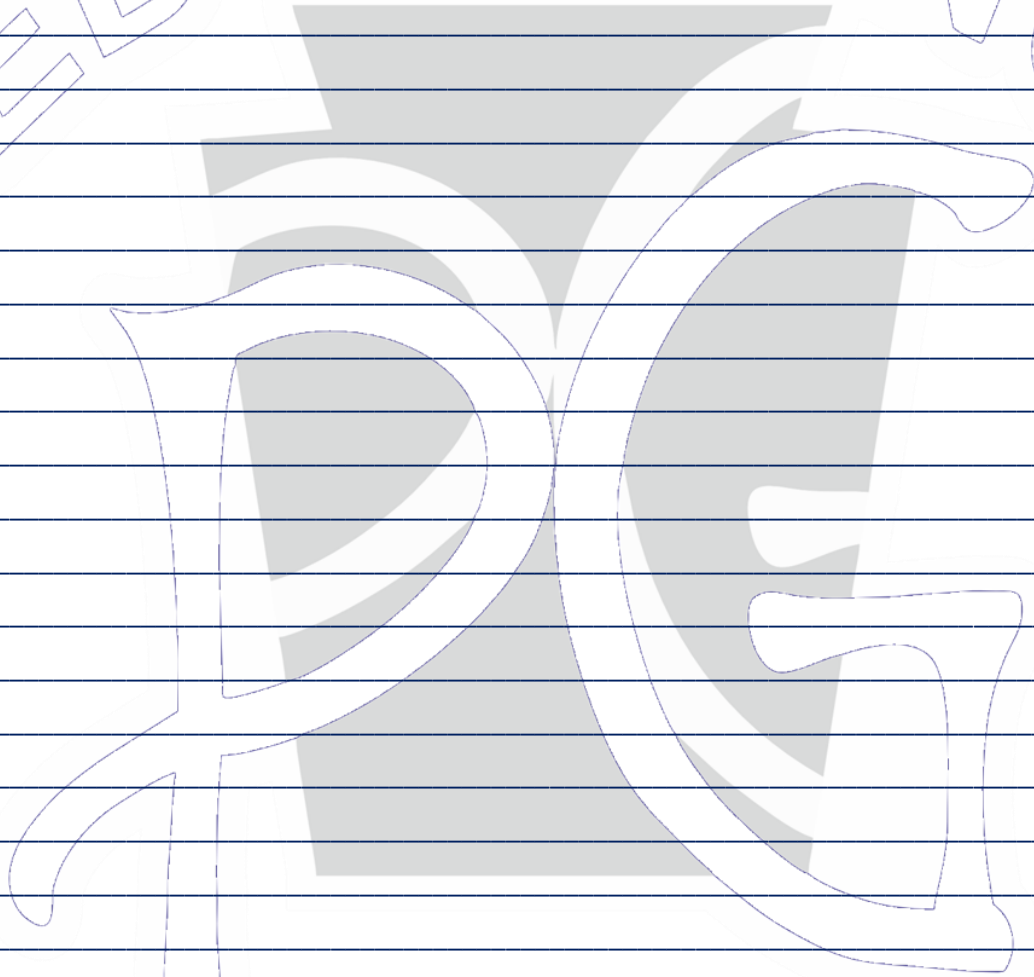
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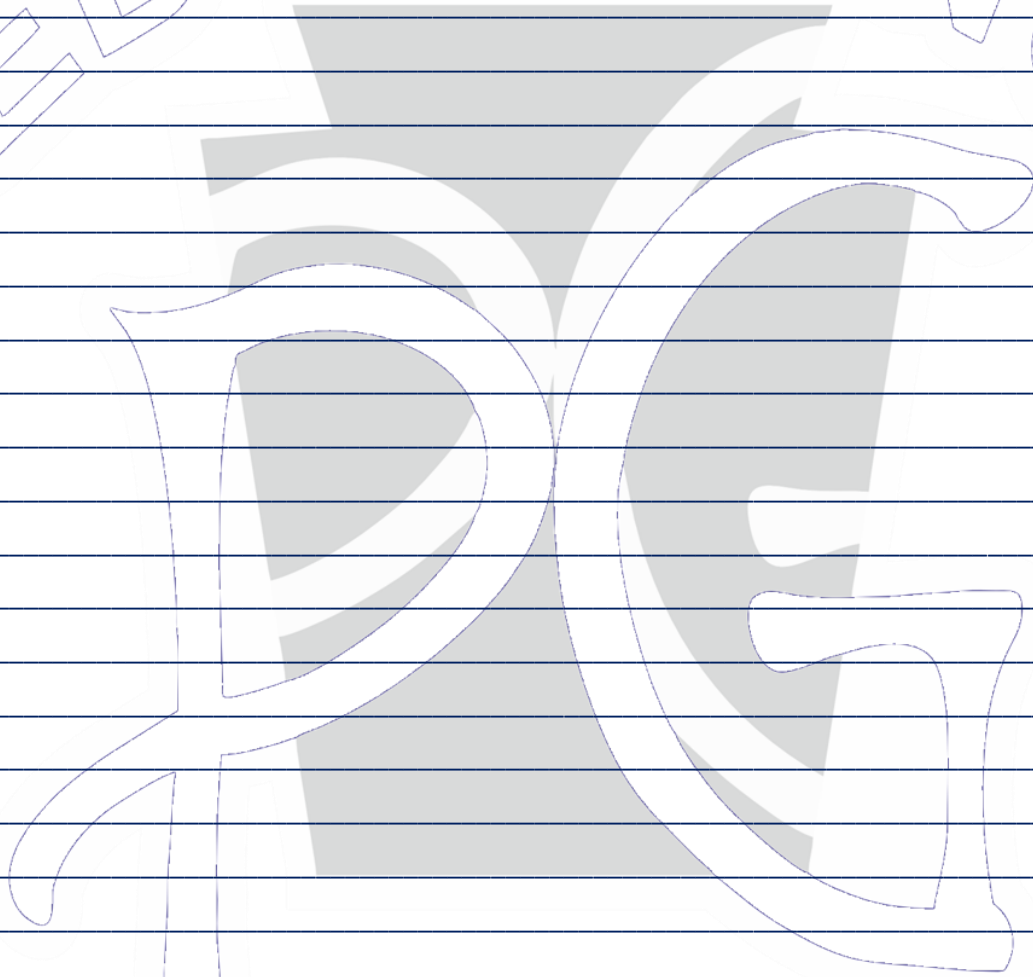
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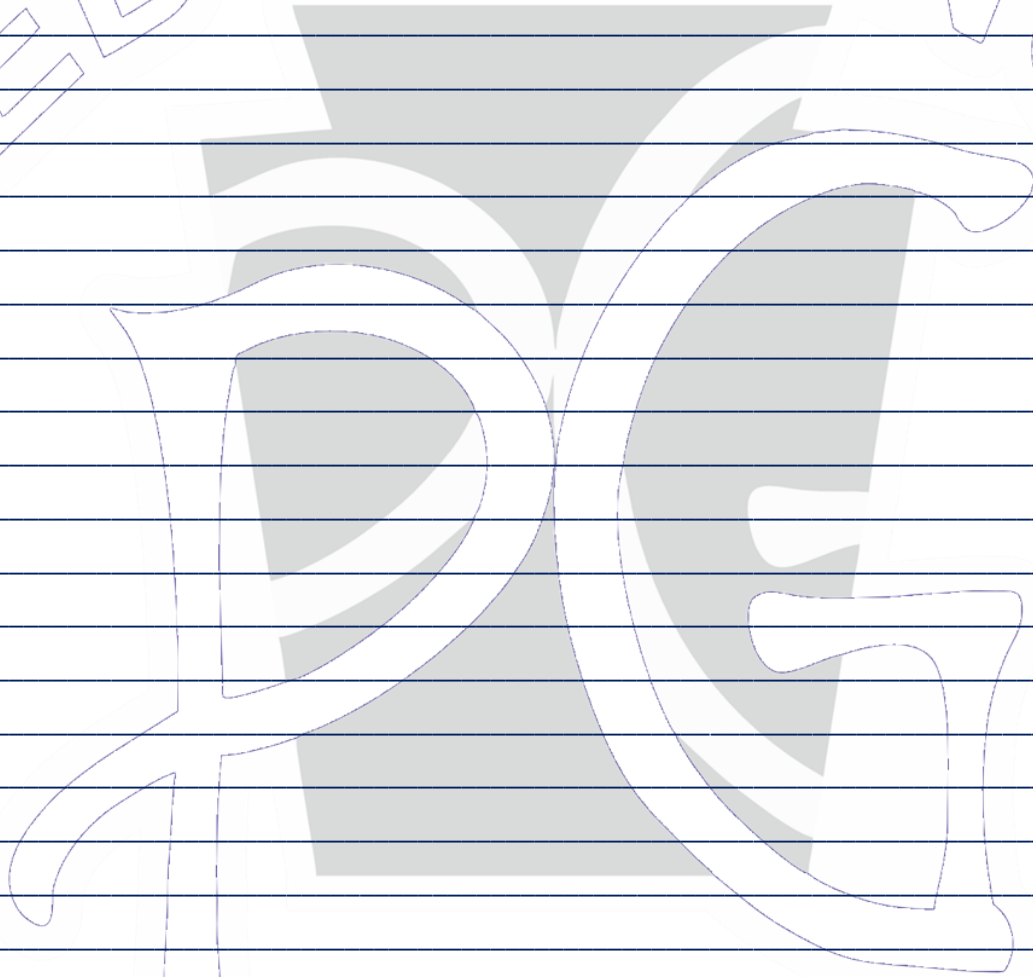
Subject – History

1. Prepare any project on given topics:
 - a. Archeological Excavations and New Perspectives
 - b. The History and Legacy of Mauryan Empire
 - c. "Mahabharat"- The Great Epic of India
 - d. The History and Culture of the Vedic period
 - e. Buddha Charita
 - f. A Comprehensive History of Jainism
 - g. Bhakti Movement- Multiple interpretations and commentaries.
 - h. "The Mystical Dimensions of Sufism
 - i. Global legacy of Gandhian ideas
 - j. The Architectural Culture of the Vijayanagar Empire
 - k. Life of women in the Mughal rural society
 - l. Analysis of the Land Revenue Systems introduced by the Britishers in India
 - m. The Revolt of 1857- Causes; Planning & Coordination; Leadership, Vision of Unity
2. Explain the features of Islamic religion which contributed to its spread through the sub-continent.
3. Explain sufi silsila.
4. Describe the beliefs of Virashiva tradition of Karnataka.
5. Compare and contrast the traditions of Nayanars and Alwars of Ancient Tamilakam.
6. Write a short note about Mira Bai.
7. Explain the teachings of Kabir.
8. Explain the teachings of Guru Nanak.
9. What were the specialists in ancient plant remains called?
10. Explain the term 'proto-shiva'.
11. Name two ways through which archeologists trace social differences.
12. From which Harappan site the human torso known as the priest king retrieved?
13. Which settlement was almost exclusively devoted to craft production?
14. "The people of Indus valley civilisation were much concerned for maintaining their privacy ". Give any three points to confirm this view point.
15. Why do historians and archaeologists find Harappan-scripts enigmatic? Explain.
16. What is the role of John Marshall in the context of harappan civilization?
17. How do archeologists trace socio -economics differences in Harappan society? What are differences that they notice?
18. The problems of archaeological interpretation are perhaps most evident in attempts to reconstruct religious practices. Elucidate.
19. Describe some of the distinctive features of Mohenjodaro.

20. Who deciphered Kharostian and Brahmi script? What important facts were revealed through these scripts?
21. King Asoka was also known as?
22. Explain briefly notions of kingship during Kushana and Gupta Empire.
23. Explain the sources used by historians to reconstruct the history of the Gupta period.
24. Explain how exchanges were facilitated by the introduction of coinage.
25. Write a short note on Prabhavati Gupta.
26. Explain the sources used by historians to reconstruct the history of the Maurya period.
27. What do the Asokan inscriptions tell about the Mauryas? Describe the limitations of the inscriptions.
28. Why was the Mauryan empire regarded as a major landmark in the early Indian history?
29. Which Sanskrit term is used for 'Lineage'?
30. Explain the term Gotra.
31. Which is the earliest Upanishad?
32. What does the term Nishadameans?
33. Who is supposed to have written the Mahabharata?
34. Which Chinese traveller gave an account of the life of the Scavengers?
35. Explain how you will prove that the text of the Mahabharata was a dynamic one?
36. Critically examine the duties as laid down in the Manusmriti for Chandalas.
37. Discuss whether the Mahabharata could have been the work of a single author.
38. Explain the rules of marriage.
39. With reference to the Mahabharata, explain what role did gender play in the accession to property.
40. Describe the economic and social conditions of the people living in rural areas from c.600 BCE to 600 CE.

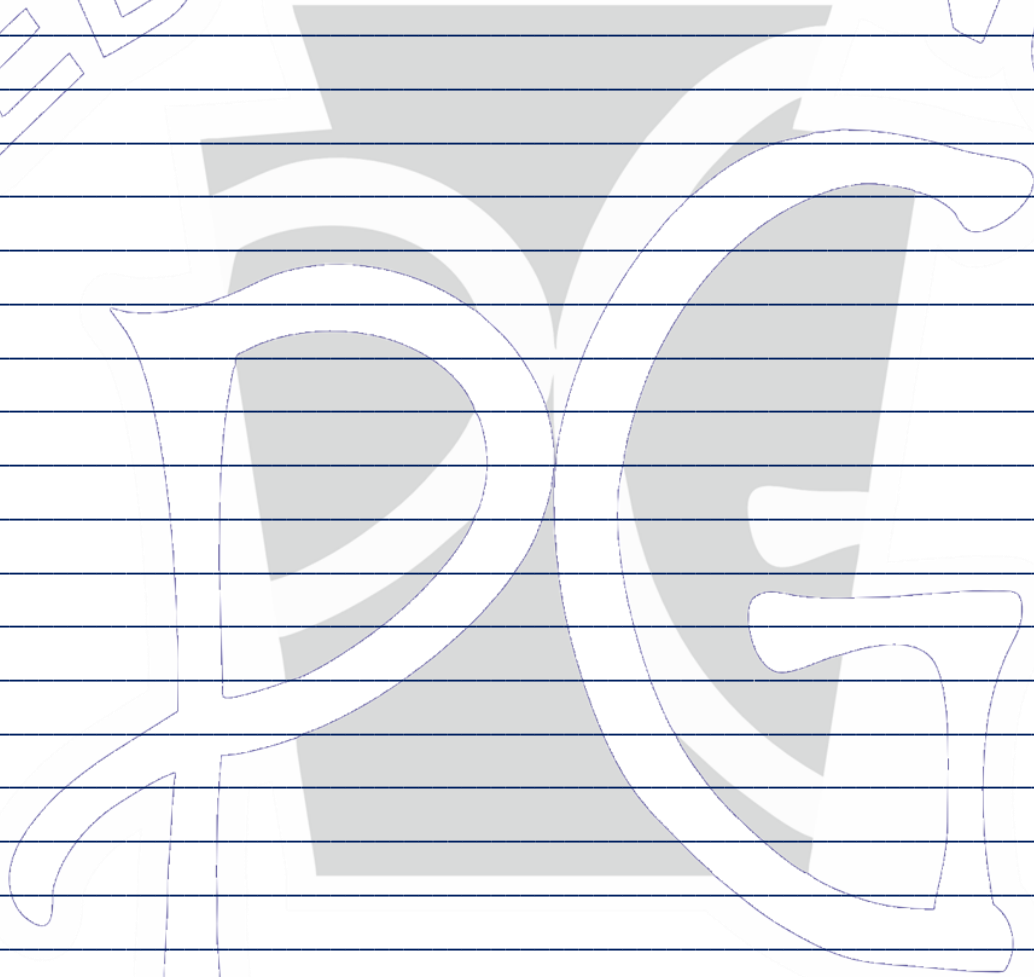
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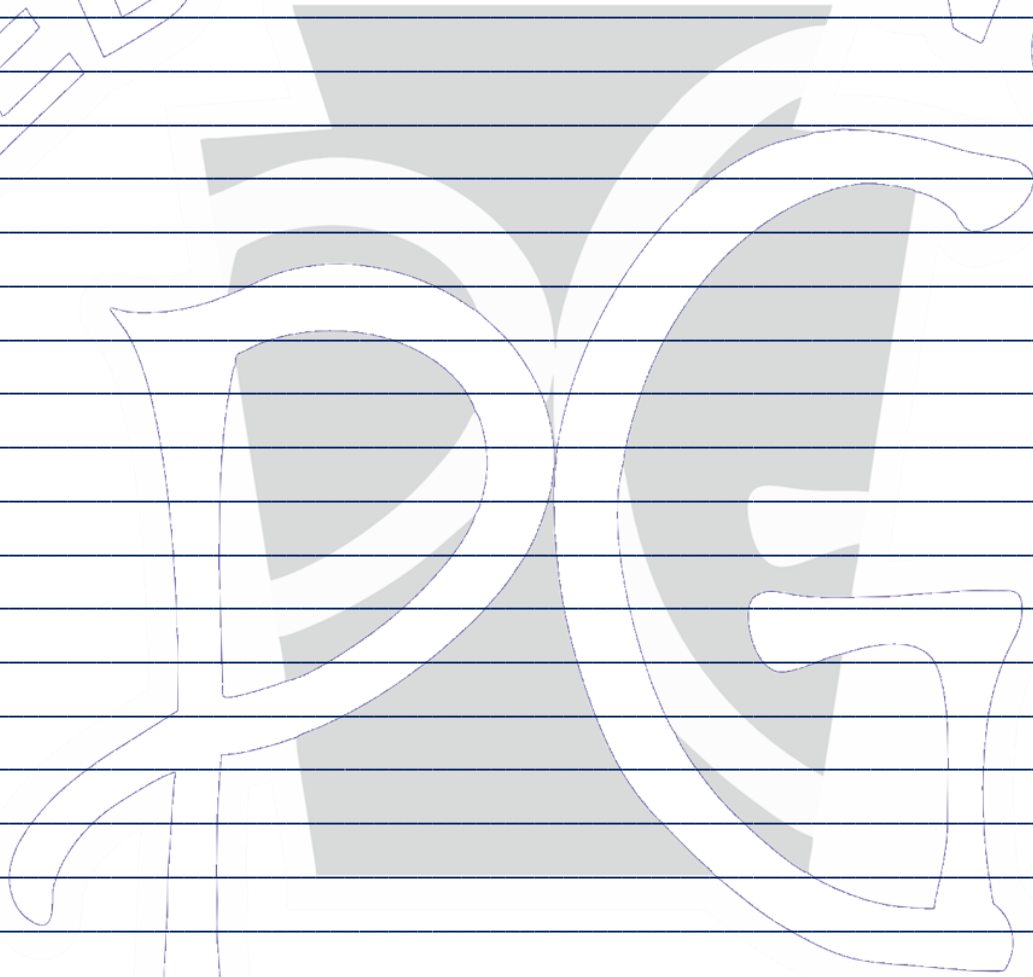
HEART AND MIND

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HEART AND MIND

Subject – Physical Education

1. Write down the role of the various committees before a tournament.
2. Write down the role of the various committees during a tournament.
3. Describe the merits & demerits of knock out Tournaments.
4. Describe the merits & Demerits of league Tournament.
5. Define tournament and explain its types?
6. Draw the fixture based on knock out for 21 team.
7. Draw the fixture for 11 team based on League Tournament use cyclic method.
8. What is Tournament? Explain any four objectives of Tournament.
9. What do you understand league Tournament. Explain the working of technical committee & organising Committee?
10. Explain the procedure (method) to fix byes and seeding.
11. Explain the symptoms & corrective measures of kyphosis.
12. Mention the symptoms causes & corrective measures of knock-knee.
13. Discuss the symptoms, causes & corrective measures of flat feet.
14. Describe the symptoms, causes & corrective measuring of scoliosis.
15. Discuss the symptoms, causes & corrective measure of bowlegs.
16. What do you mean by hump back or Hunch back? Explain the causes of it.
17. Explain the symptoms & precautions of round shoulders
18. Elucidate spine postural deformities.
19. Express your view on lower limbs deformities.
20. Suggest physical activities as corrective measures for postural deformities.

विषय – हिन्दी

- प्रश्न 1— 'आत्मपरिचय' कविता में कवि हरिवंश राय बच्चन ने अपने व्यक्तित्व के किन पक्षों को उभारा है?
- प्रश्न 2— चिड़िया के पंखों में चंचलता आने के क्या-क्या कारण हो सकते हैं?
- प्रश्न 3— भक्तिन के चरित्र की विशेषताओं पर प्रकाश डालिए।
- प्रश्न 4— भगवत जी बाजार को सार्थक व समाज को शान्त कैसे कर रहे हैं? 'बाजार दर्शन' पाठ के आधार पर बताइए।
- प्रश्न 5— 'सिल्वर वैडिंग' कहानी के माध्यम से लेखक ने क्या संदेश देने का प्रयास किया है?

Subject – Computer Science

1. Project Work (Do any one of the following)
 - a. Hospital Management System
 - b. Hostel Management System

- c. Medical Store Management System
- d. Grocery Shop
- e. UPSE Registration Information System

Subject: Applied Mathematics

1. Solve for x : $2(2x+3) - 10 < 6(x - 2)$.

2. Solve for x : $37 - (3x+5) \geq 9x - 8(x - 3)$.

3. If $A - 2B = \begin{bmatrix} 1 & 5 \\ 3 & 7 \end{bmatrix}$ and $2A - 3B = \begin{bmatrix} -2 & 5 \\ 0 & 7 \end{bmatrix}$, then find matrix A and B.

4. If $A = \begin{bmatrix} 2 & x+7 \\ 2x-3 & x+8 \end{bmatrix}$ is symmetric, find the value of x.

5. If $A = \begin{bmatrix} 0 & 1 & 2 \\ 1 & 2 & 3 \\ 3 & x & 1 \end{bmatrix}$ and $A^{-1} = \begin{bmatrix} \frac{1}{2} & \frac{-1}{2} & \frac{1}{2} \\ -4 & 3 & y \\ \frac{5}{2} & \frac{-3}{2} & \frac{1}{2} \end{bmatrix}$ then find the value of x+y.

6. Find the demand matrix which is consistent with the technology matrix $A = \begin{bmatrix} \frac{1}{5} & \frac{5}{12} \\ \frac{2}{5} & \frac{1}{2} \end{bmatrix}$ and output matrix $X = \begin{bmatrix} 150 \\ 204 \end{bmatrix}$.

7. If $A^2 - 5A + 7I = 0$, then A^{-1} is equal to .

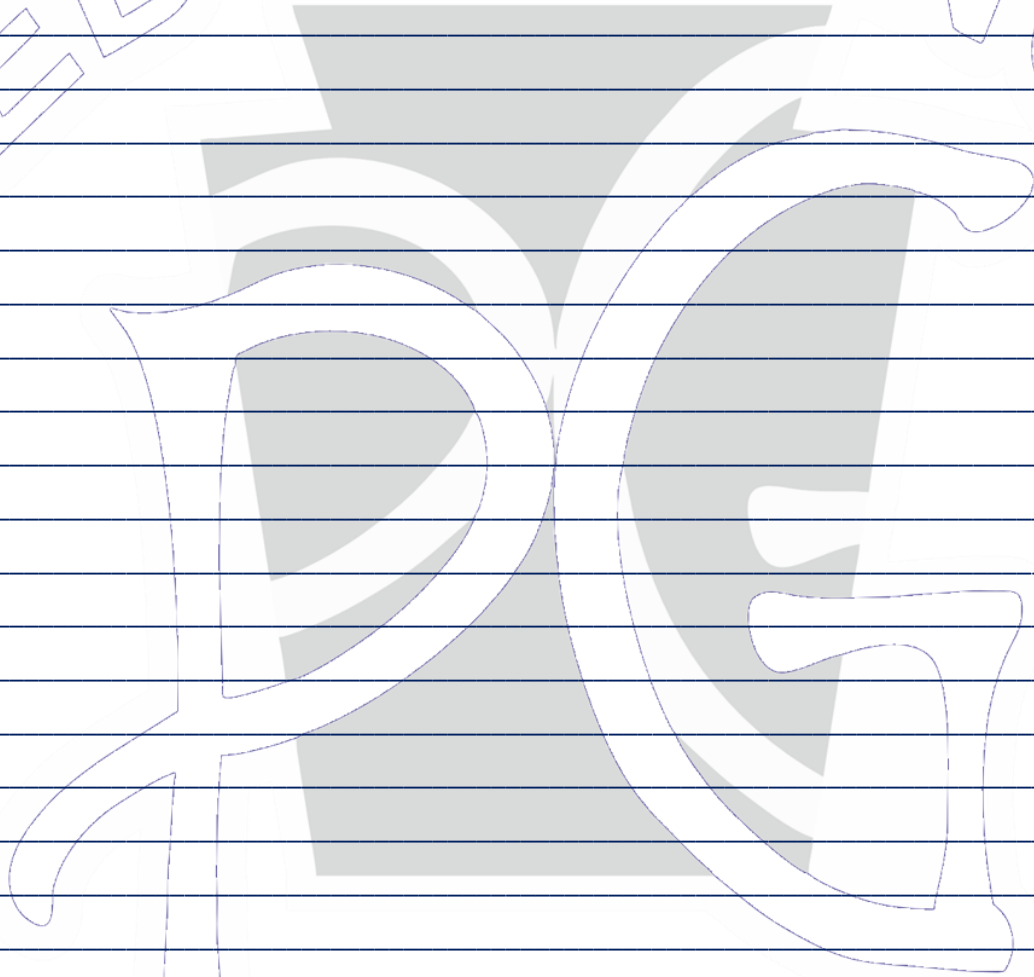
8. If the matrix $A = \begin{bmatrix} 0 & 5 & -1 \\ -5 & 0 & x+1 \\ y & 2 & 0 \end{bmatrix}$ is skew -symmetric matrix, then find the value of x+3y .

9. If A is a square matrix such that $A^2 = I$, where I is the identity matrix, then what is the value of A^{-1} .

10. If $A = \begin{bmatrix} 2 & 0 & 0 \\ 0 & 2 & 0 \\ 0 & 0 & 2 \end{bmatrix}$ and $A^4 = kA$ then Find the value of K.

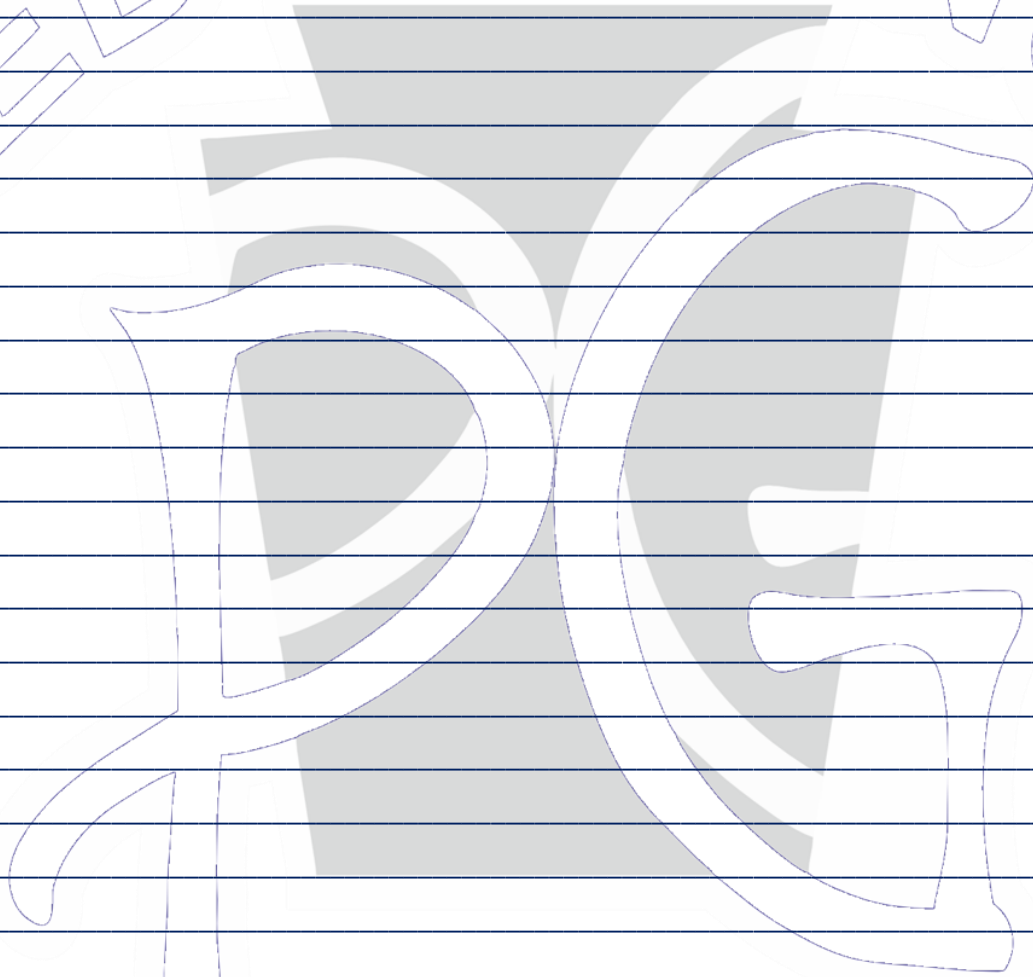
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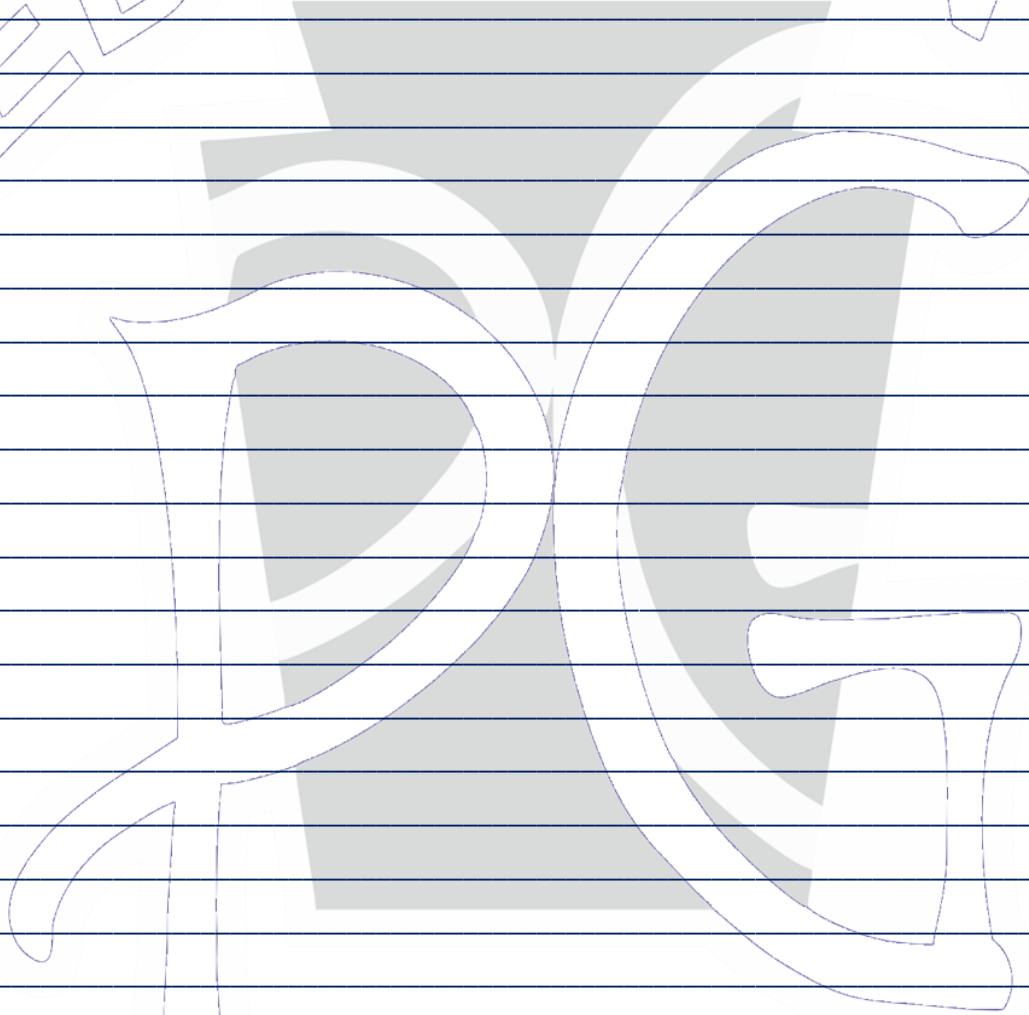
HEART AND MIND

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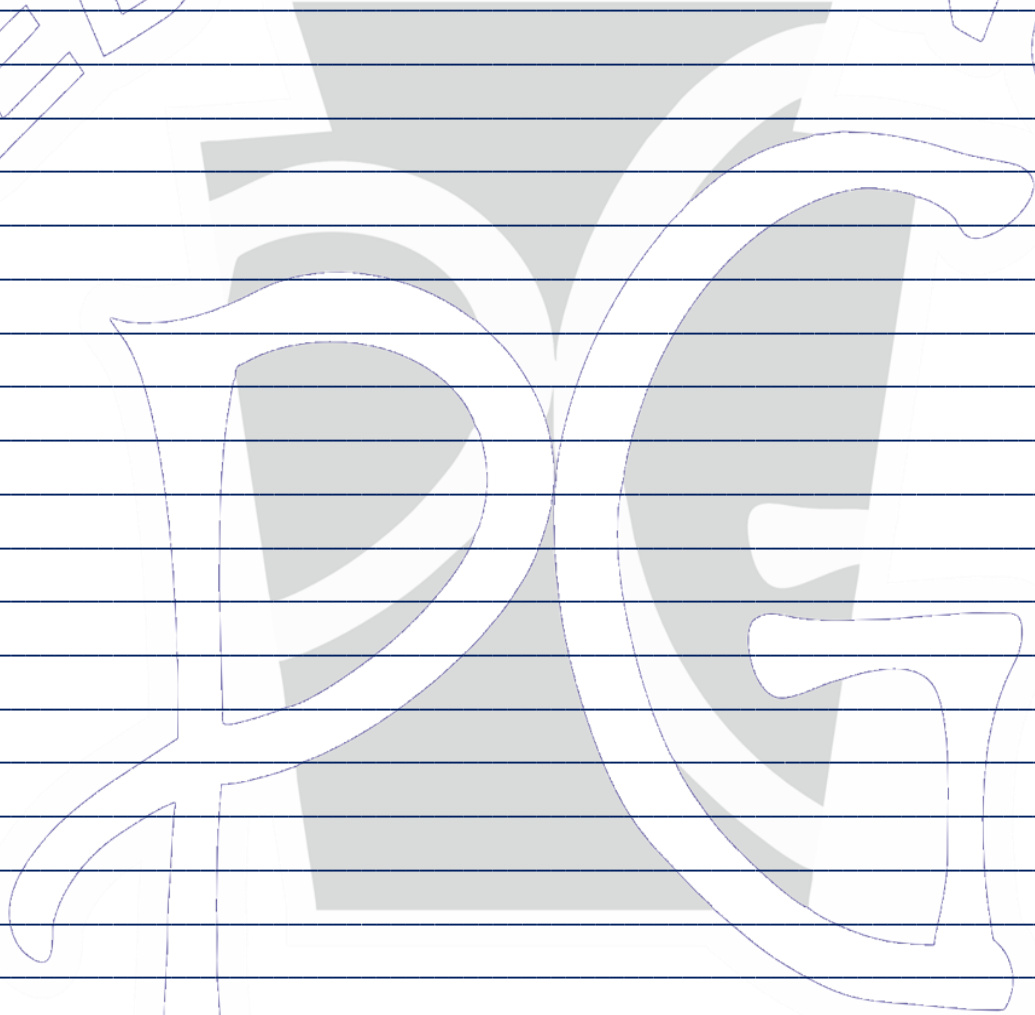


Smart Activity

- ❖ 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.

Write From Here

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HEART AND MIND



P. G. SENIOR SECONDARY SCHOOL

Affiliation No.: 2131500

Affiliated to CBSE, (10+2) New Delhi, Bharat

School Code: 70839



NIDHI SINGH
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I am Nidhi Singh, I got admission in PG 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

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