

**Maharana Pratap Govt. Degree College Amb-177203  
District Una HP**



**Co-Educational Institution**

Affiliated to Himachal Pradesh University Shimla – 5

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**Self-Assessment Report**  
**SAR 2024-25**

**Criterion 1: Teaching Learning**

**Sub Criterion 1.2 Curriculum Planning and Implementation**

**1.2.4 Internal Assessment Mechanism (Quizzes, Class Tests, Presentations, Assignments, MTT etc.)**



## 1.2.4 Internal Assessment Mechanism (Quizzes, Class tests, Presentations, Assignments, MTT etc.)

### Assessment Mechanism

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### 1. Teaching Learning

#### Curriculum Planning and Implementation

iv. Internal Assessment Mechanism

The following criteria will be followed for Continuous Comprehensive Assessment (CCA) as per the guidelines mentioned in various UG&PG syllabus issued by Himachal Pradesh University Shimla.

Criteria for Continuous Comprehensive Assessment (CCA)

a) Courses without Practical Paper	Theory 70%	CCA 30%	
b) Courses with Practical Paper	Theory 50%	CCA 30%	Practical 20%
c) Assessment for Practical Examination (20%) (File/Report) and 5% (Attendance)	10% (Written Exam.)	5%	
d) CCA (30%)	15% (Mid-term Exam),	10% (Assignment/Presentation/Quizzes)	and 5% (attendance)
e) Criteria for the weightage of Attendance (5%)	75% but < 80% (attendance)=1 Marks	80% but < 85% (attendance)=2 Marks	85% but < 90% (attendance)=3 Marks
	90% but < 95% (attendance)=4 Marks	95% and above	=5 Marks

  
Principal,  
Maharana Pratap Govt.  
Degree College  
Amb (Una, H P)

Principal  
GC Amb



## Classroom Presentation by Students

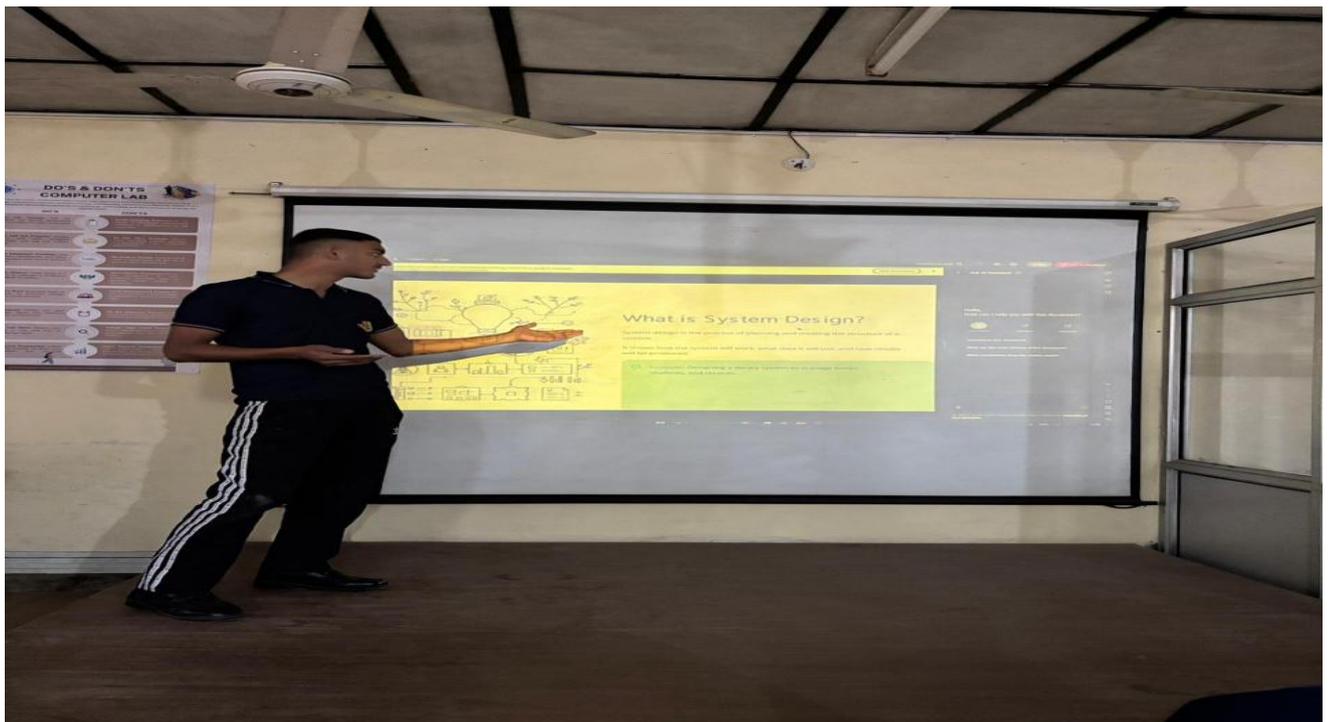
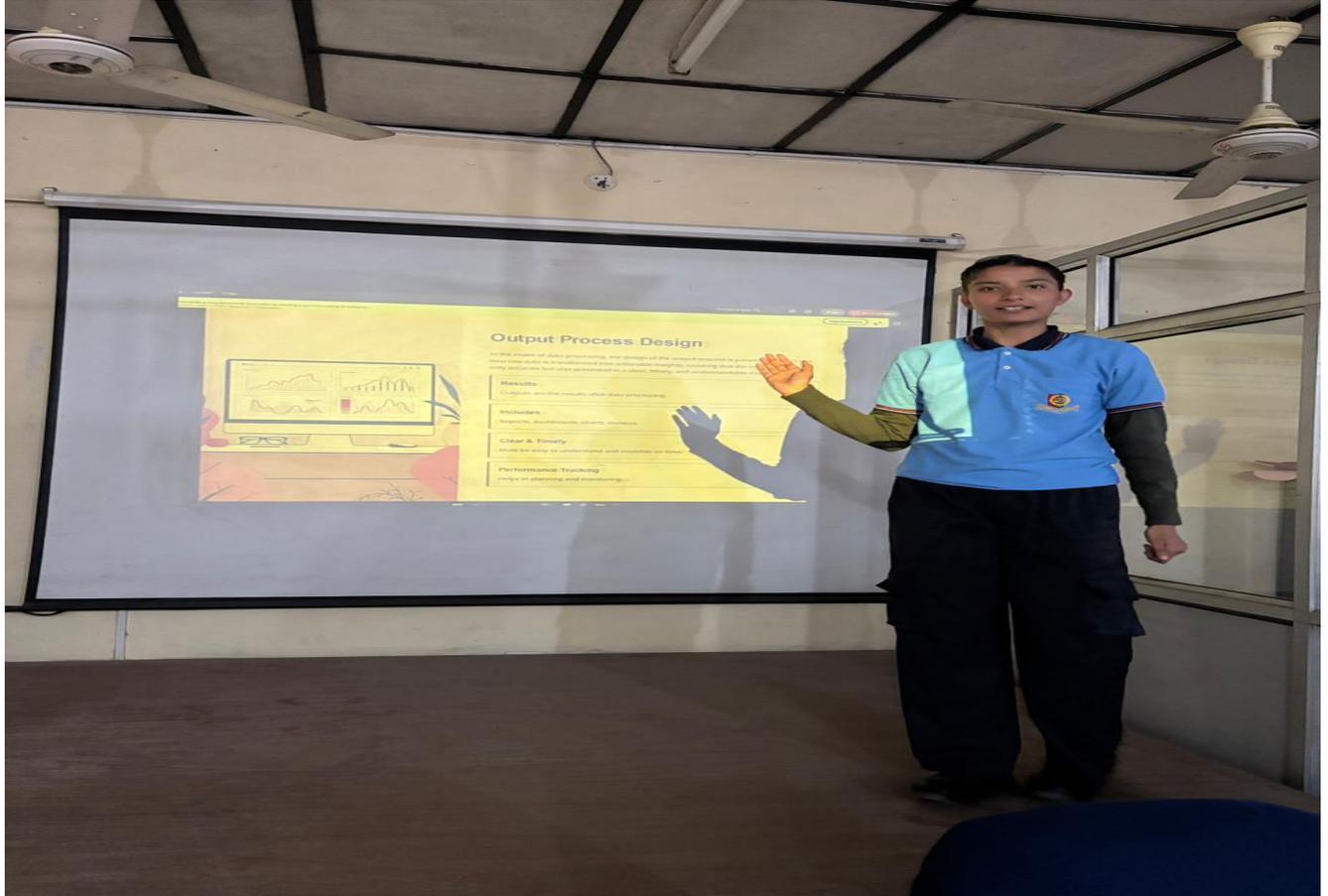




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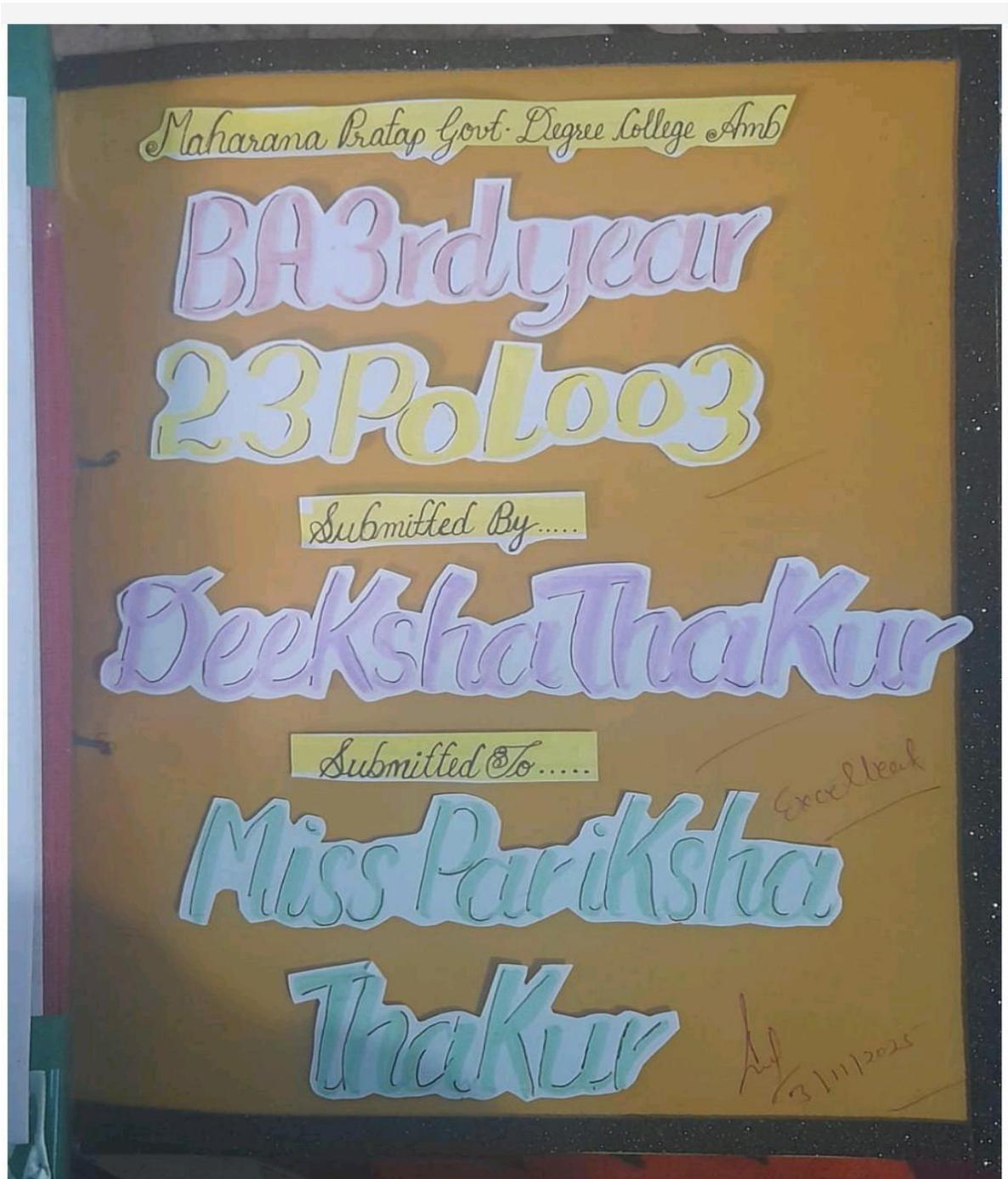
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## SUBJECT WISE ASSIGNMENTS

Subject: Political Science





# Acknowledgement

I would like to express my special thanks to my teacher Miss. Pariksha Shakur, who gave me the golden opportunity to do this wonderful project of Political science. Who also helped me in completing my project I came to know about so many new things I can really thankful to them.

Secondly I would also like to thank my parents who helped me a lot in finalizing this project which within the limited time frame.....

Deeksha Shakur  
23 Pol003  
BA 3rd year



Kautilya, also known as Chanakya or Vishnugupta, was an ancient Indian teacher, philosopher, economist and political thinker, who lived around 4th century BCE. He is best known as the chief advisor to Chandragupta Maurya, the founder of the Maurya Empire. Kautilya played a crucial role in the establishment of the Mauryan dynasty by guiding Chandragupta in overthrowing the Nanda dynasty and unifying most of the India under one strong central authority.

His most significant contribution is the Arthashastra, a comprehensive text on statecraft, economics, military strategy and governance. It is often regarded as one of the earliest works on politics and administration in the world. In this work Kautilya emphasized the importance of a strong and disciplined ruler, efficient bureaucracy, espionage and welfare policies for the prosperity of the state. He believed in the principle of "Matasya Nyaya" (Law of the fish), meaning in the absence of law, the strong would exploit the weak. Hence, he argued that the ruler's foremost duty was to establish order and protect the people.

Kautilya's political ideas were practical, sometimes ruthless, but highly effective. His vision laid the foundation for one of the greatest empires in Indian History, and continues





# Decentralization

Mahatma Gandhi strongly believed in decentralization of power. He wanted India's strength to come from its villages, not from a central authority. According to him, true democracy means power in the hands of the people, where every village governs itself. Gandhi's idea of "Gram Swaraj" promoted self-sufficient villages with their own economy, education and administration.

# Trusteeship

Mahatma Gandhi's concept of trusteeship was a moral and economic idea that aimed to create equality without violence. He believed that the rich should act as trustees of their wealth, using it not for selfish purposes but for the welfare of the society. According to Gandhi, property and wealth are gifts of God and must serve the needs of all. He opposed both capitalism and communism, suggesting trusteeship as a peaceful middle path. Through this idea, Gandhi encouraged social responsibility, economic justice and compassion, where every individual contributes to the common good while maintaining moral and ethical values.



# Conclusion

Mahatma Gandhi's political thought was deeply rooted in truth, non-violence and moral values. He believed that politics should be guided by ethics and service to humanity, not by power or greed. For Gandhi, Swaraj meant self-rule that begins with self-discipline and extends to national independence. He rejected violent methods and emphasized peaceful resistance (satyagraha) as the most powerful tool for change. His vision of politics included equality, justice and harmony among all communities. Gandhi also promoted village self-sufficiency, seeing rural India as the foundation of true democracy.

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Dul



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## ASSIGNMENTS

Subject: – SANSKRIT

PAGE NO. : \_\_\_\_\_  
DATE : / /

Assignment  
Sanskrit .....

NAME :- TAMANNA .....

ROLL NO. :- 24ENG022....

CLASS :- B.A 1<sup>st</sup> year....



PAGE NO. : \_\_\_\_\_  
DATE : / /

नीतिशतकम् का परिचय  
.... पद्य 1-10 सरलार्थ ....

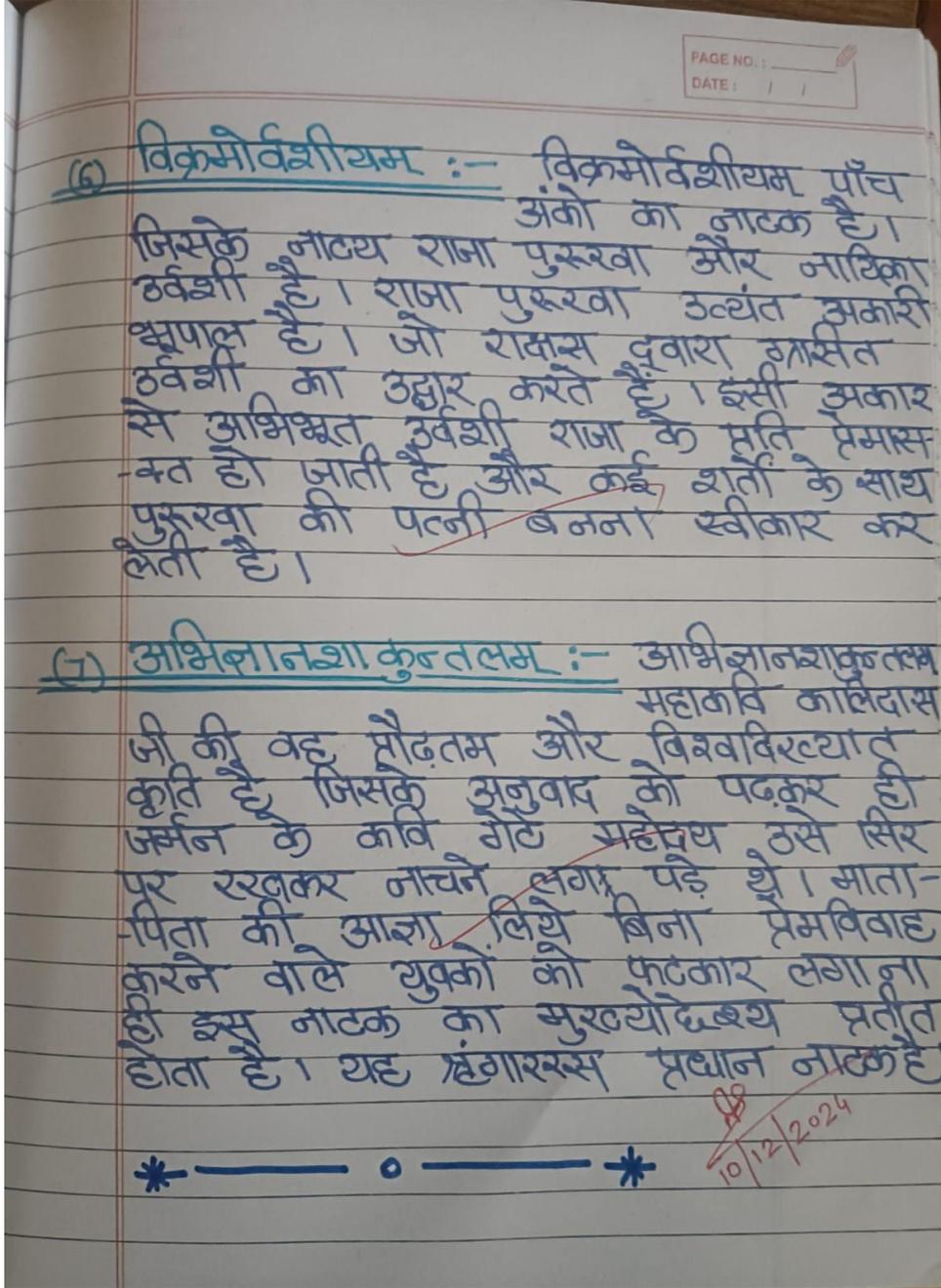
• मङ्गलाचरणम्

(1) दिनकालाद्यनवविद्वन्नाजन्तचिन्मात्रमूर्तये  
स्वानुभूत्येकमानाय नमः शान्ताय तेजसाय

अन्वयः दिक् कालादि - अनवविद्वन् अजन्त-चित्त  
मात्र मूर्तये स्वानुभूति एक-मानाय शान्-  
ताय नमः ।

हिन्दी अनुवाद : भर्तृहरि जी नीतिशतक के आरंभ  
मङ्गलाचरण करते हुए कहते हैं कि  
दिशा और कालादि की सीमाओं से अप-  
रिमित अर्थात् न मापे जा सकने योग्य  
अन्तरहित चैतन्य स्वरूप तथा अपना  
अनुभव ही जिसकी सत्ता में एक मात्र  
समाण है; ऐसा शान्त और प्रकाश स्वरूप  
परमात्मा के लिये नमस्कार है।

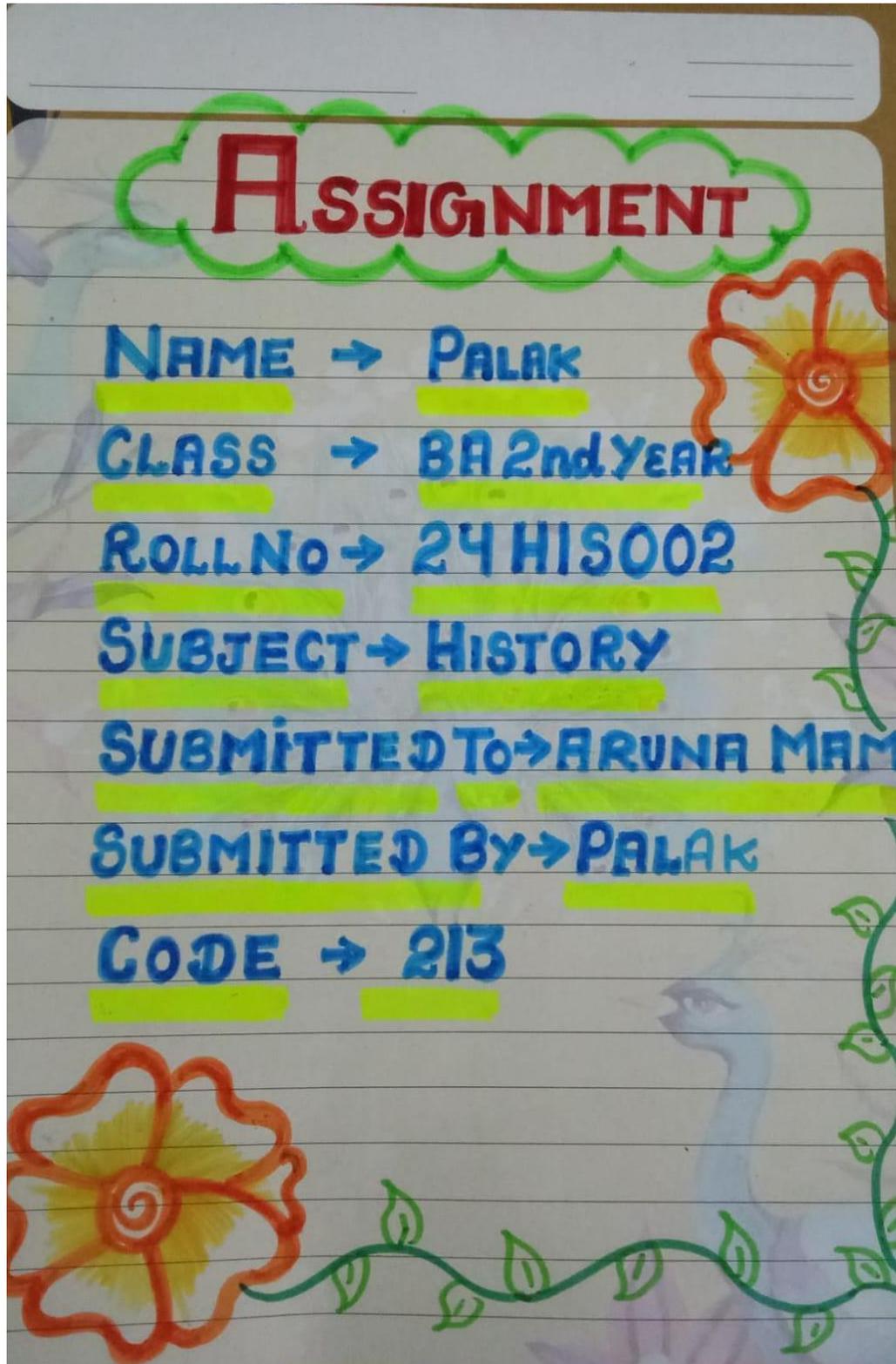
विशेष : भारतीय संस्कृति के अनुसार प्रत्येक कार्य  
के आरंभ में मङ्गलाचरण की परम्परा  
है। तदनुसार लेखक निर्विघ्न होकर ग्रन्थ  
-चना





Assignment

Subject:—History





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Date: \_\_\_/\_\_\_/\_\_\_  
Topic: \_\_\_\_\_

Student's Name: .....

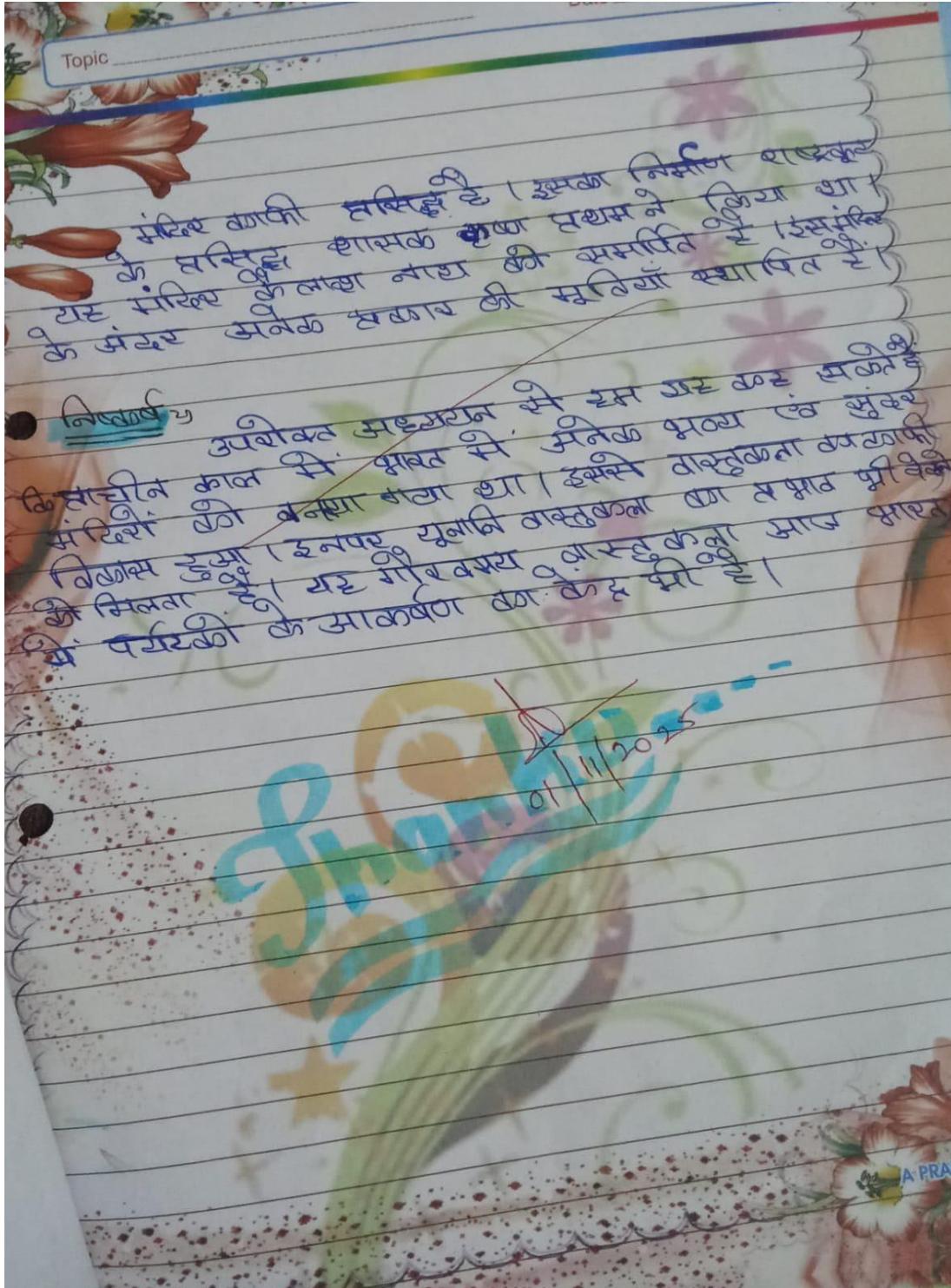
मैं जब सासनियाँ प्राप्त होती हैं तो उन्हें निविष्टियाँ सापना  
जानि उसकी ल०, ची० व सहस्रक का साप करने के पक्ष्य  
उन्हें स्थान से हटाया जाता है। इसकी पहचान के लिए  
कम सं०, खत व क्षेत्र का संकेत आवश्यक है। उन्हें सफेद  
पैट से अंकित किया जाता है ताकि इसे स्पष्ट रूप से देखा जा  
सके। सुखनून वाले स्थान के लिए कोड बाबर का प्रयोग किया  
जाता है। इसमें अनिखन (इंद्रांग) किया जाता है कि वे सासनी  
कहाँ स्थित थी। इसके लिए निम्न लिखित बातों का ध्यान रखा  
जाता है:-

1. जितना ही सके क्षेत्रों के बारे में विस्तारपूर्ण जानकारी प्रस्तुत  
करना।
2. यह दिखाना आवश्यक है कि कितने कालों का समाग यहाँ  
सिद्ध है।
3. यदि कोई प्रमनवर्षीय मिले तो यह जानकारी भी आवश्यकनी  
चाहिए कि ये कितने चरणों से निर्मित हुआ है।
4. प्रत्येक प्रमनवर्षीय (टूटी-फूटी इमारतों के हक में) का बारीबारा  
का विवरण देना आवश्यक है।

उदाहरण के लिए:-

(i) यदि कहीं पर फर्षी मिले => तो सबसे पहले यह दिखाना चाहिए  
कि वह किस आधार पर बना है।  
फर्षी विभिन्न वस्तुओं के बनते हैं। तो यह भी दिखाना चाहिए  
कि वह किस वस्तु का बना है। वह फर्षी कितनी तह का  
है व कितना मोटा है।

A PRADEEP PRODUCT



Topic \_\_\_\_\_

मंदिर काफ़ी खसि है। इसका निर्माण राष्ट्रकूट  
के खसि शासक कृष्ण चथम ने किया था।  
यह मंदिर के लक्ष्य नाश की सम्पत्ति है। इस मंदिर  
के अंदर अनेक प्रकार की मूर्तियाँ स्थापित हैं।

निष्कर्ष उपरोक्त अध्ययन से हम यह कह सकते हैं  
कि प्राचीन काल में भारत में अनेक धर्म एवं संस्कृति  
संस्कृतियों की बहुरूपता बनी थी। इससे वास्तुकला का काफी  
विकास हुआ। इनपर यूनानी वास्तुकला का प्रभाव भी देखा  
जा सकता है। यह गौरवशाली वास्तुकला आज भारत  
में पर्यटकों के आकर्षण का केंद्र भी है।

01/11/2025



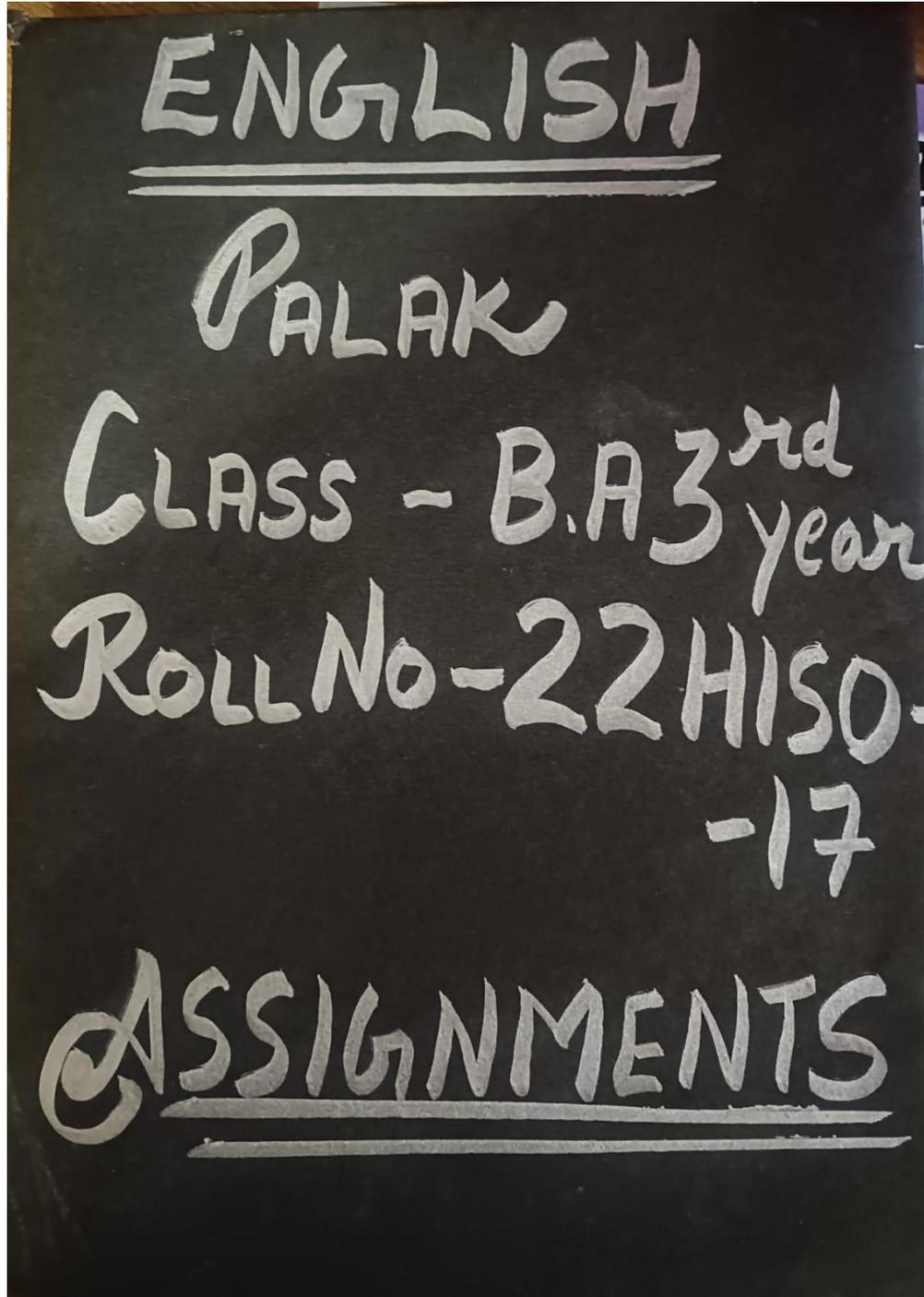
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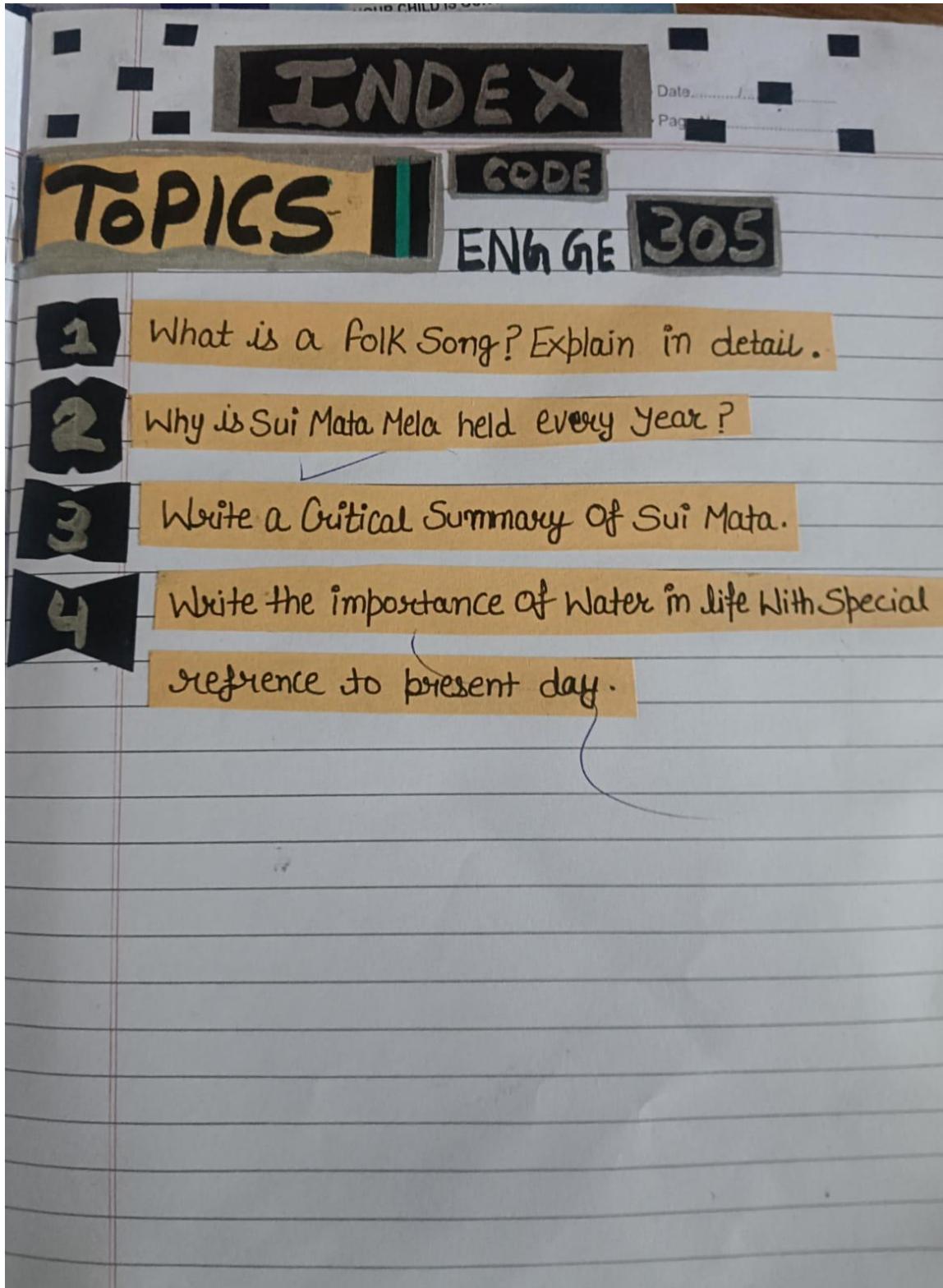
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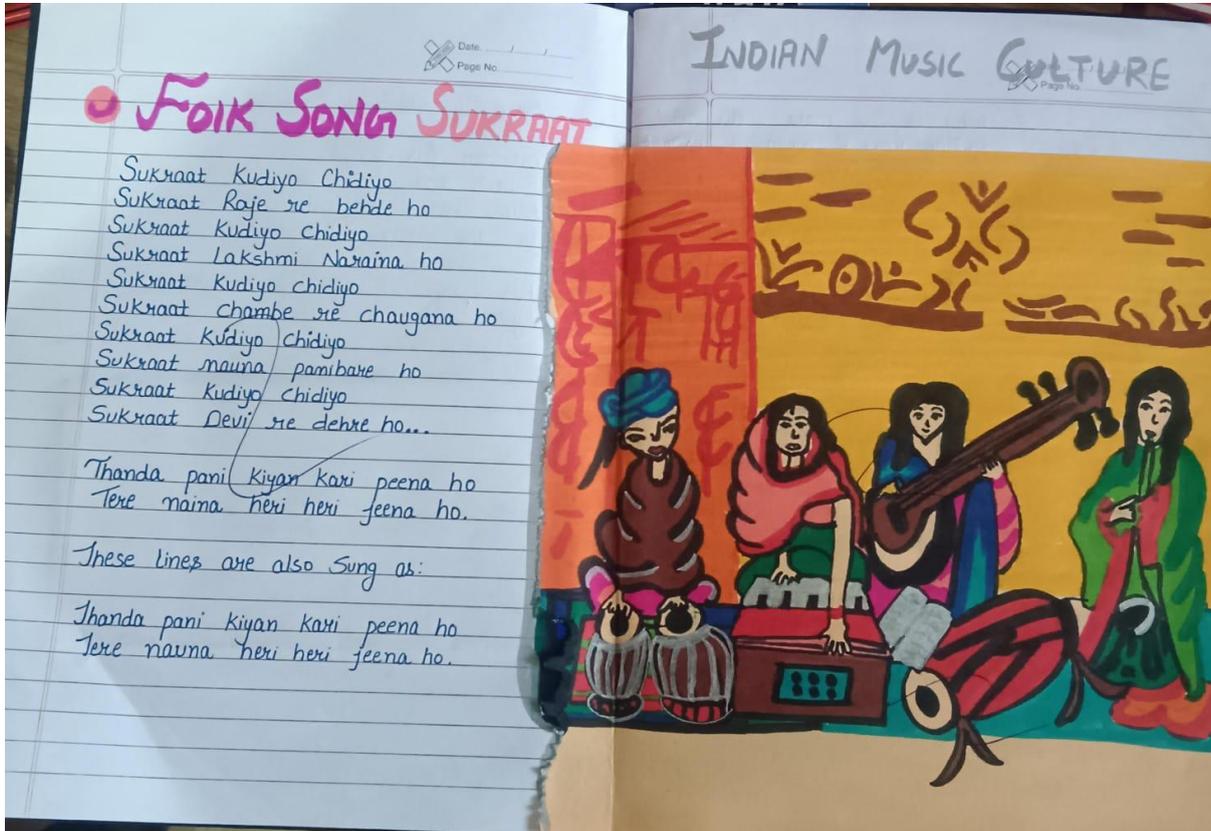


Assignment

Subject: – ENGLISH



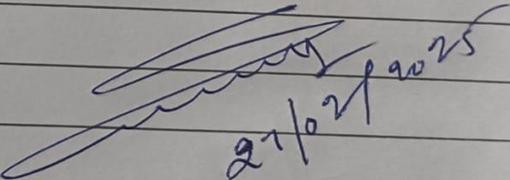






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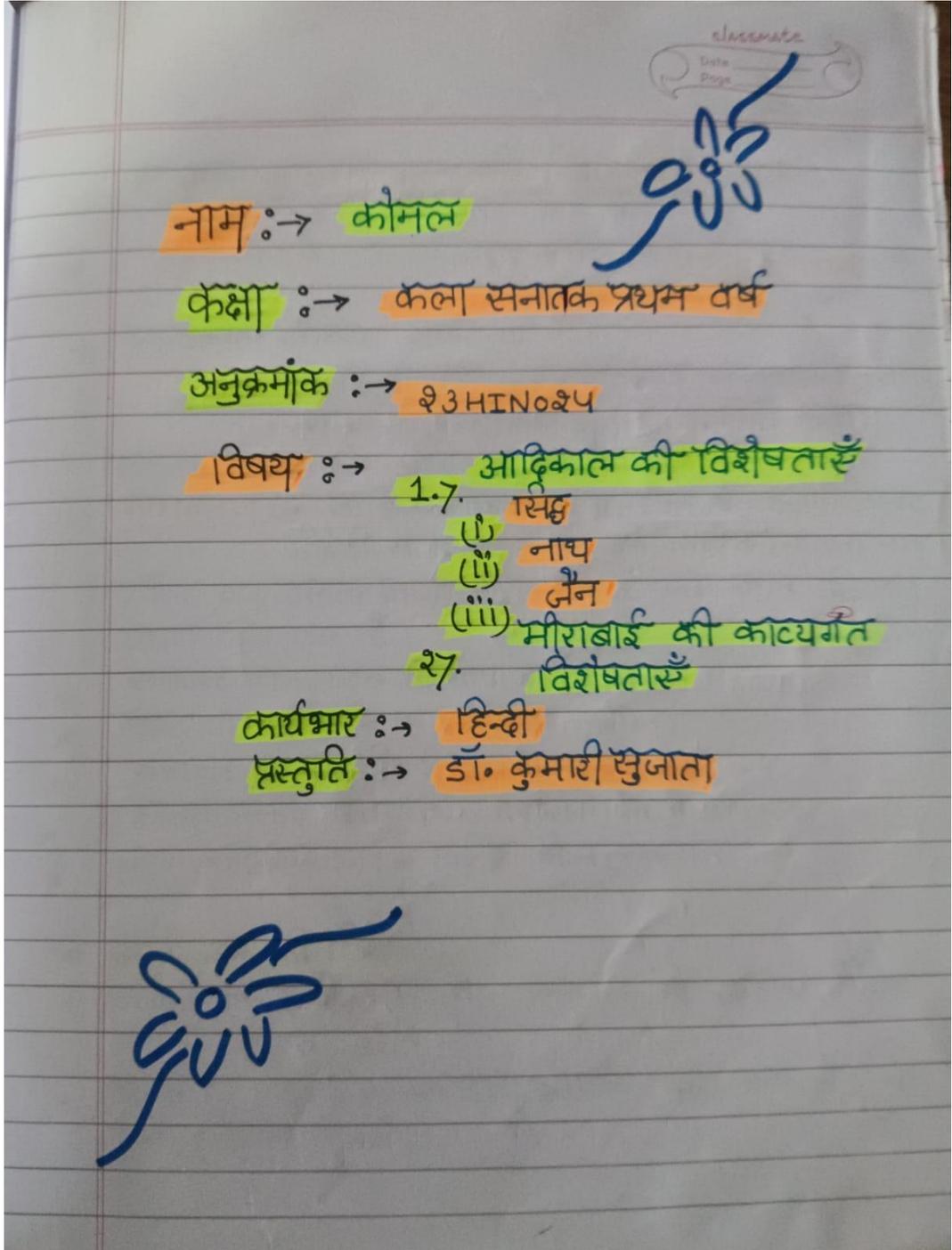
In the Current Context, challenges like climate change, Pollution, and overuse threaten water source. The story of Si Mata underscores the significance of water, urging responsible management and conservation. It highlights the need for sustainable practices, equitable distribution, and the understanding that water is not only a resource but a lifeline. Emphasizing its importance is crucial for addressing the global water crisis and ensuring a sustainable future.

  
21/02/2025



## ASSIGNMENT

Subject:- HINDI





classmate ①  
Date \_\_\_\_\_  
Page \_\_\_\_\_  
19/Sept/2023

01.7. विषय :- आदिकाल की विशेषताएँ :-

⇒ आदिकाल का समयकाल :- वि.सं. 1050 से 1375 तक,

⇒ आदिकाल से क्या अभिप्राय है ?

- आदिकाल :- हिन्दी साहित्य के इतिहास में लगभग 8वीं शताब्दी से लेकर 14वीं शताब्दी के मध्य तक के काल को आदिकाल कहते हैं।

⇒ नामकरण :- आदि का अर्थ आरंभ होता है। हजारी प्रसाद द्विवेदी ने इस काल को आदिकाल का नाम दिया था, इसके अन्य बहुत नाम हैं जो महान विद्वानों द्वारा दिये गए हैं।

- \* रामचन्द्र शुक्ल :- वीरगाथा काल
- \* राजकुमार वर्मा :- चरण काल
- \* महावीर प्रसाद द्विवेदी :- बीजवपन काल
- \* हजारी प्रसाद द्विवेदी :- अपभ्रंश काल
- \* राहुल सांकृत्यायन :- सिद्ध संमत काल

⇒ आदिकाल की विशेषताएँ :-

आदिकाल साहित्य में तीन प्रकार के साहित्य विशेष रूप में सामने आते हैं,

- सर्वप्रथम धार्मिक साहित्य जो कि सिद्ध, नाथ, जैनों के द्वारा लिखा गया था,



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Date \_\_\_\_\_  
Page \_\_\_\_\_

**निष्कर्ष :-** मीरा के पद हिन्दी साहित्य में अनूठे हैं। वह छंद की गहराई से निकले हैं। वह हिन्दी साहित्य में बहुत प्रासिद्ध हैं। जो बड़े लोकप्रिय हुए, उसके पद मधुरता के प्रतीक थे। उसके मध्यम से ज्ञात होता है कि मीरा लक्ष्मण की सच्ची भक्त, सच्ची प्रेमिका थीं।

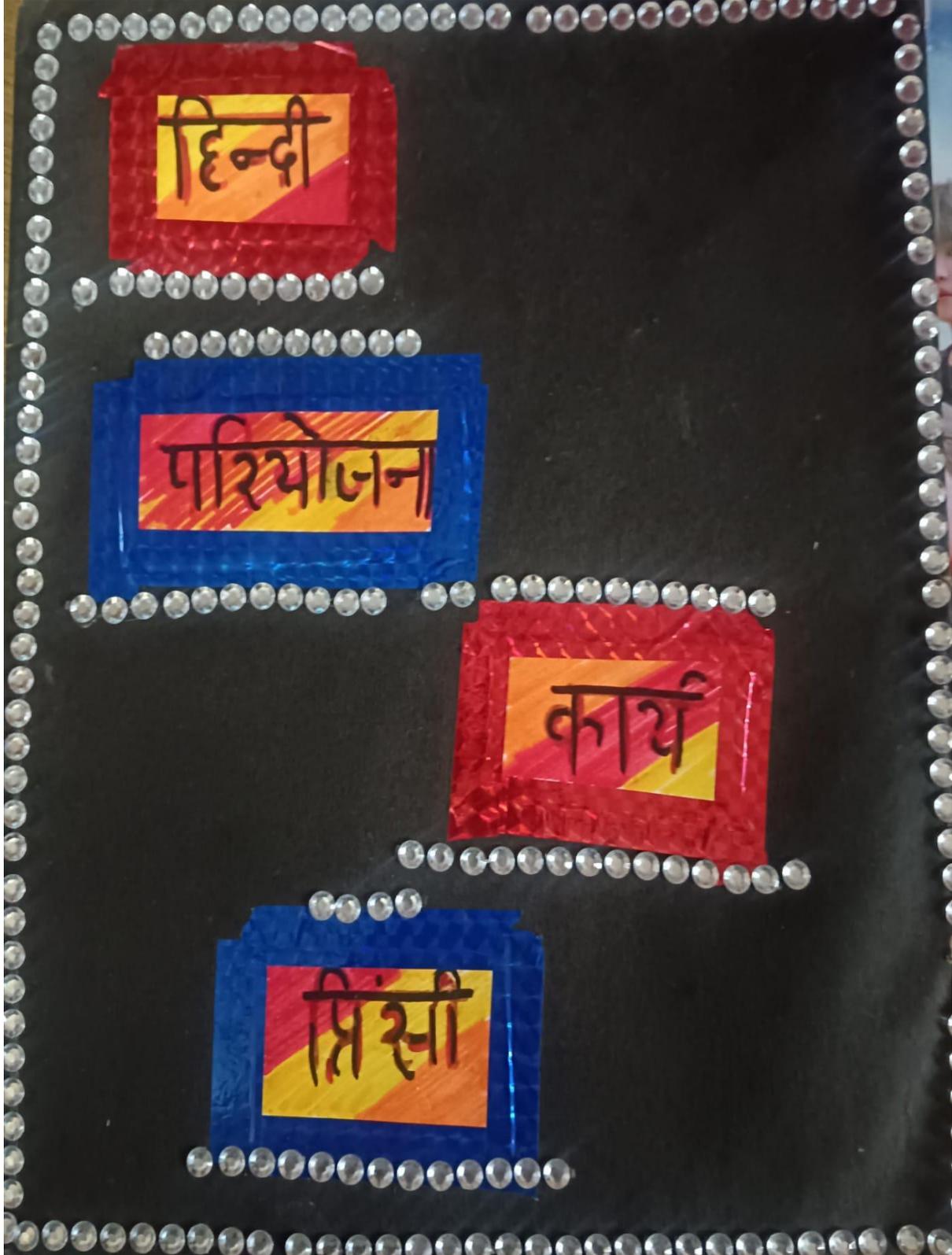
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Amm  
16/10/2024



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75  
आज़ादी का  
अमृत महोत्सव

विषय सूची

जीवन परिचय (मीराबाई)

रचनाएं

भक्ति भावना

भारतेन्दु युगीन हिन्दी - काव्य

की विशेषताएं



## जीवन परिचय

मीराबाई (सन् 1516-1546)

मीरा का जन्म राठौड़ों की मैड़तिया शाखा के स्वर्त्मक राव दूदा जी के वंश में हुआ था। वे रावदूदा की पोती तथा रत्नसिंह की बेटी थी। बाल्यवस्था में ही मीरा कृष्ण भक्ति में लीन रहने लगी। बचपन में एक घर पर आए आधु के पास कृष्ण की मूर्ति देखकर उस पर मोहित हो गई थी। मीरा की माँ ने भी दस कर कष्ट दिया था कि मीरा का घर तो कृष्ण है। मीरा राजा भोजराज की पत्नी तथा राणा सांगा की पुत्रवधु थी। विवाह के कुछ वर्षों पश्चात् पति की मृत्यु पर मीरा पूरी तरह से कृष्ण भक्ति में लीन रहने लगी। उनका देवर विक्रमादित्य उससे रुष्ट हो गया। खिन्न होकर मीरा ने राज परिवार छोड़ दिया। और 1546 में द्वारिका पहुंच गई। वहीं पर मीरा की मृत्यु हुई। राणा के अत्याचार तथा लोक लाज भी मीरा के अटल विश्वास को गड़ न सके।

## रचनाएँ

मीरा की अनेक रचनाएँ मानी जाती हैं। 'नरसी जी रो माधरो', 'गीत गोविन्द की टीका', 'मीराबाई मलार', 'स्फुट पद' मीराबाई के लिखे हुए माने जाते हैं।



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Assignment

Subject: – Economics

ASSIGNMENT OF ECONOMICS

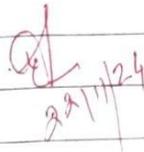
Roll No: 24BAM002

CLASS : 1<sup>st</sup> year (B.A.)  
(mathematics)

PAPER CODE: 102

SUBMITTED BY: TANIYA SHARMA

SUBMITTED TO: ANAY SIR

  
28/11/24



# Ques 1:- Laws of Production

## Production Function:

Production function refers to the technical relationship between the quantity of good produced and the factors of production necessary to produce it.

## Definition

“The relation between a firm's physical production and the material factor of production is referred to as production function.”  
— Watson

“The production is purely a technical relation which connects factor inputs and output.”  
— Koutsoyiannis

## Laws of Production

Law of Variable Proportions  
or Returns to a Factor

A single variable factor

Generally short run analysis

Law of Returns to scale

All factors are variable in  
the same proportion  
Always long run analysis



## Law of Variable Proportion

The law of variable proportions is that law which predicts the consequences of varying the proportions in which the fixed and variable factors of production are used.

Supposing there are two factors of production, i.e., land and labour. Land is a fixed factor and labour is a variable factor.

Supposing you have a land measuring 2 hectares. You grow tomatoes on it with the help of a labourer. Accordingly, the proportion between labour and land will be 1:2. If the number of labourers is increased to 2 then the new proportion between labour and land will be 2:2, in other words, if there were 2 hectares of land per labourer previously, now there will be 1 hectare of land per labourer. On account of change in the proportion of factors there will also be a change in total output at different rates. In economics, this tendency is called law of variable proportions.



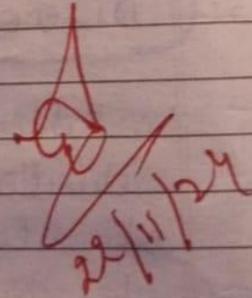
## Conclusion:-

This helps us understand the relationship between input and output in a very clear manner. In this we study 3 stages

In stage I we see that total production increases at an increase rate.

In stage II we see that total production increases but at decrease rate

In stage III the total production decreases but remains same.

  
22/11/24



Book: 2

## Quest Monopoly

What characteristic features define a monopoly market? Discuss equilibrium of a monopoly firm in short run and long run.

Ans

The term monopoly is derived from the Greek word 'monopolin' which means exclusive word sale.

Pure monopoly is a market structure in which a single firm is the sole producer of a product and for which there are no close substitutes. Since the monopolist is the only seller in the market, it has neither rivals nor direct competition. Thus, the seller of the commodity has full control over its price.

## Definition:-

According to Koutsoyiannis, "monopoly is a market situation in which there is a single seller, there are no close substitutes for commodity it produces, there are barriers to entry."



restrictions on the entry of new firms into monopoly industry. These barriers may take several forms as patent rights, government laws, economies of scale etc.

- **No close substitutes**

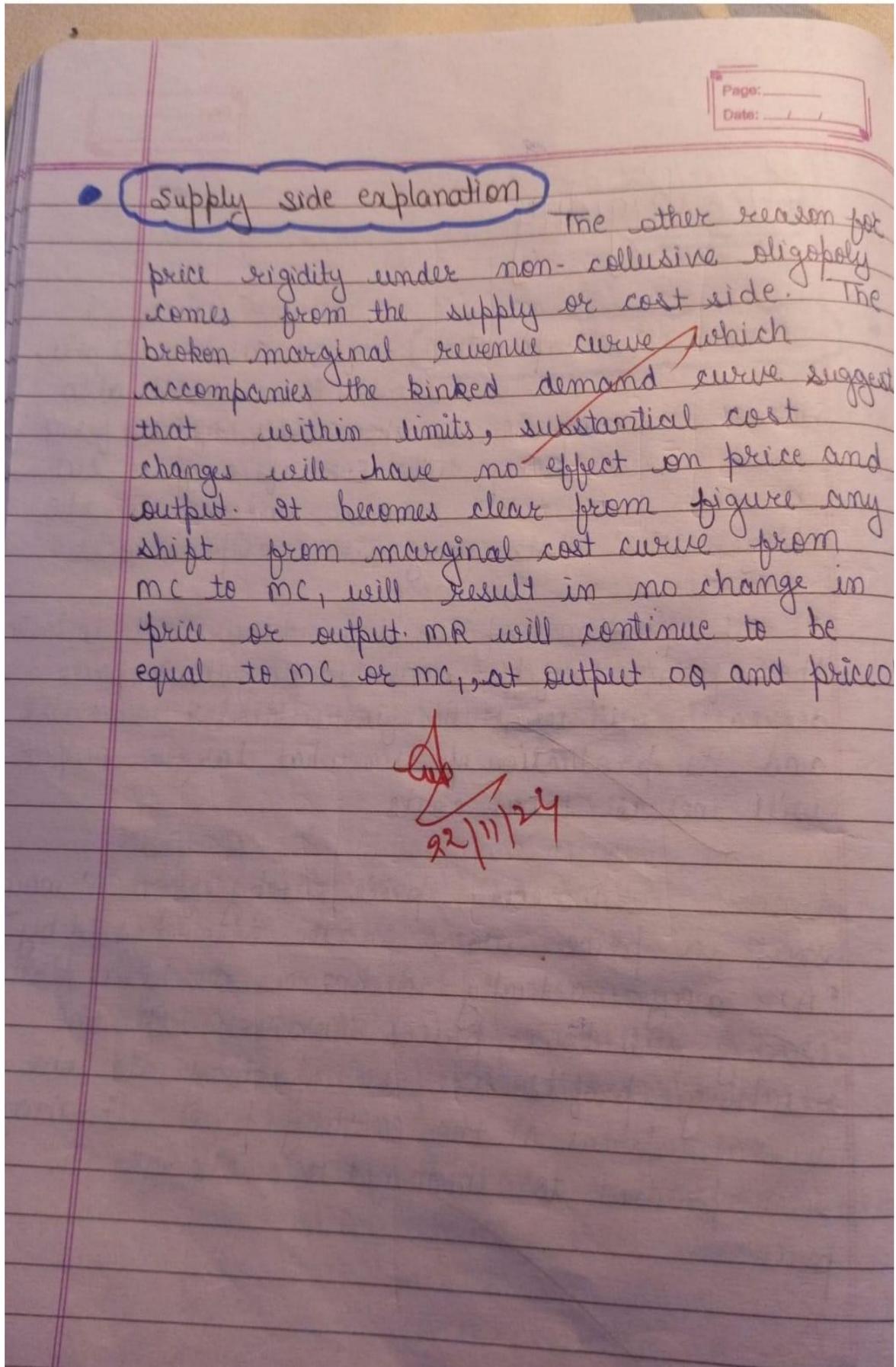
The commodity produced by the firm should have no close substitute, otherwise the monopolist will not be able to determine the price of his commodity as per his discretion.

- **Price maker**

A monopolist is a price maker. A price maker is one who has got control over the supply of the product. A monopolist has full control over the supply of the commodity.

- **Price discrimination**

A monopolist may be able to charge different prices for the same product from different customers. Thus, monopolist can practise price discrimination.





Subject: – Music

TOPIC \_\_\_\_\_ DATE \_\_\_\_\_

Assignment 1.....

Name:- Tamanna Jaswal

Class :- B.A 1<sup>st</sup> year....

Subject :- Music.....

Course Code :- MUSA-101(TH)

Roll No. :- 24ENG022....

Department of Music....

Submitted to..... Professor  
Rachna Sharma

# 1. स्वर, संगीत एवं सप्तक !

## (i) स्वर

स्वर ही संगीत का प्राण तत्व है, यही वह आधार है जिस पर संगीत की सम्पूर्ण सृष्टि का निर्माण हुआ है। शास्त्रकारों ने एक सप्तक में २२ ऋतियों को माना है। इन २२ ऋतियों पर षड्ज राग के अन्तर्गत स्वर स्थापना का क्रम "चतुश्चतुर्दश - चैव षड्जमध्यम पंचम, द्वै द्वै निषाद गन्धारौ, त्रिसृती ऋषभ व्यैवतो" इस सूत्र के अनुसार चौथी ऋति पर 'सा' सातवी ऋति पर 'रे' नवीं ऋति पर 'ग' तेहरवी ऋति पर 'म' सतरहवी ऋति पर 'प' बीसवी ऋति पर 'ध' तथा बाईसवी ऋति पर 'नि' रखा जाता है।

1	2	3	4	5	6	7	8	9	10	11	12	13
			सा			रे		ग				म
14	15	16	17	18	19	20	21	22				
			प			ध		नि				

## (ii) संगीत

भारतवर्ष को संगीत की दृष्टि से समृद्ध प्राणत माना जाता है। यहां की संगीत परम्परा अत्यन्त समृद्ध एवं गौरवशाली है। अनेकों विद्याओं का उद्भव वेदों से माना जाता है। संगीत की चर्चा वेदों



धाया विंध्या ताव विंध्या धाया विंध्या ताव

6

TOPIC \_\_\_\_\_ DATE \_\_\_\_\_

तिगुण :-

मात्रा :-

1	2	3	4	5	6	7	8
धायावी	धायावी	वींध्याया	तीतीता	ताव्यावी	धायावी	वींध्याया	वींधींध्या

बोल :-

9	10	11	12	13	14	15	16
धातीती	तातावी	वींध्याया	वींधींध्या	धायावी	धायावी	तीतीता	वींधींध्या



होता है। इन्हें सात स्वरेणें में सम्पूर्ण संगीत  
निहित है।

8

TOPIC \_\_\_\_\_ DATE \_\_\_\_\_

**पकड़ :-** राग को स्पष्ट करने वाला समूह पकड़ कहलाता है। जैसे राग यमन की पकड़ प म ग रे, ग म प है। इसका अर्थ यह हुआ की स्वर का कह दोसे से छोटा टुकड़ा जिससे राग स्पष्ट हो जाए पकड़ कहलाता है। उपरोक्त स्वर समूह राग यमन को दर्शाता है। यह टुकड़ा किसी अन्य राग का नहीं हो सकता। यदि किसी राग में यह टुकड़ा प्रयोग होगा तो राग का स्वरूप दिखाने के लिये इसके साथ अन्य स्वर अथवा समूह को जोड़ लिया जाएगा। जिससे अन्य राग अधिक स्पष्ट हो जाएगा और यमन राग दूर हो जाएगा।

Advance



Samples of Assignments Sciences

Subject: - CHEMISTRY

19/2/25

CHEM - 102  
Chapter - 1

Section - A.  
Gaseous state.

Ideal and Non-ideal or Real Gases.

Ideal gas equation  $\rightarrow PV = nRT$  only follow when  $P \Rightarrow$  low, Temp  $\Rightarrow$  high } Ideal gases

$PV \neq nRT$  only when  $P \Rightarrow$  high,  $T \Rightarrow$  low } Not obey any law. (Real gases). Non Ideal gases

Non Ideal gases follow Vander Wall equation.

$$\left(P + \frac{an^2}{V^2}\right)(V - nb) = nRT.$$

Deviations from Ideal Behaviour  $\Rightarrow$

$CO, CH_4$  form dip so they can liquify easily.  $H, He$  does not form dip and are not easily liquify so these are permanent gases

The graph plots PV on the y-axis against pressure (P) on the x-axis. A horizontal dashed line represents the 'Ideal gas' behavior. Four curves are shown: CO and CH4 show a significant dip below the ideal gas line, indicating they are easily liquefied. H2 and He show a slight upward deviation from the ideal gas line, indicating they are permanent gases.



Acc to graph for  $H_2, He$  value of  $z$  is greater than 1 ( $z > 1$ )  
for  $CO, CH_4$  value of  $z$  is less than 1 ( $z < 1$ )

Effect of  $P$  with  $z \Rightarrow$

If pressure is less so gases behave as ideal  
but if pressure is increase so gases behave as real gas.

Effect of  $T$  on  $z \Rightarrow$

If there is low pressure, increase in temp.  $\Rightarrow$  gas behave as ideal gas  
but if increase in pressure, decrease in temp.  $\Rightarrow$  gas behave as real gas

van der Waals Equation of state real gas  $\Rightarrow$

(i) Correction due to Volume  $\Rightarrow$

effective volume =  $4V$

$$V_{\text{corrected}} = (V - b)$$

$n$  moles of gas,

$$V_{\text{corrected}} = (V - nb)$$

excluded volume

$$= \frac{4}{3} \pi (2r)^3 = 8 \left( \frac{4}{3} \pi r^3 \right)$$

$V \Rightarrow$  ideal volume

$b \Rightarrow$  excluded volume

$a$  represent intermolecular attraction.

$b$  represent incompressible volume

$$\text{excluded volume per molecule} = \frac{1}{2} \times 8 \left( \frac{4}{3} \pi r^3 \right)$$

$$\Rightarrow 4 \times \left( \frac{4}{3} \pi r^3 \right) = 4V_m$$

excluded volume for one mole of gas

$$b = 4V_m = N \quad (N = \text{Avogadro's number})$$



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Explain Vander Waals Equation and critical constants

Vander Waal equation for 1 mole of a gas is

$$\left(\frac{P+a}{V^2}\right)(V-b) = RT \quad \left[ \left(\frac{P+a}{V^2}\right)V + \left(\frac{P+a}{V^2}\right)b \right]$$

$$PV + \frac{a}{V} - Pb - \frac{ab}{V^2} = RT$$

Multiply both side by  $V^2$ ,

$$PV^3 - aV - PbV^2 - ab = RTV^2$$

$$PV^3 + aV - PbV^2 - ab - RTV^2 = 0$$

Dividing by  $P$ , we get

$$V^3 + \frac{aV}{P} - bV^2 - \frac{ab}{P} - \frac{RT}{P}V^2 = 0$$

Arranging the descending power of  $V$ , we get,

$$V^3 - \left(b - \frac{RT}{P}\right)V^2 + \frac{aV}{P} - \frac{ab}{P} = 0$$

Vander wall equation:

$$V^3 - \left(b + \frac{RT}{P}\right)V^2 + \frac{aV}{P} - \frac{ab}{P} = 0 \quad \text{--- (1)}$$

use roots of Vander  
wall's equation

$$\Rightarrow \begin{aligned} V &= V_c \\ (V - V_c) &= 0 \\ (V - V_c)^3 &= 0 \end{aligned}$$

on expanding it by using  $(a-b)^3 \Rightarrow a^3 - b^3 - 3a^2b + 3ab^2$ .

$$V^3 - 3V_cV^2 + 3V_c^2V - V_c^3 = 0 \quad \text{--- (2)}$$

Comparing both  
eqn we get;

$$V^3 - \left(b + \frac{RT_c}{P_c}\right)V^2 + \frac{aV}{P_c} - \frac{ab}{P_c} = 0 \quad \text{--- (3)}$$

⇓

$$\dots \dots \dots \text{--- (4)}$$



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Date 

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$$\frac{V_c^3}{3V_c^2} = \frac{ab}{P_c} \times \frac{P_c}{a}$$

$$* V_c = 3b \quad \text{--- (7)}$$

substituting  $V_c = 3b$   
in eqn (5)

$$3 \times (3b)^2 = \frac{a}{P_c}$$

$$27b^2 = \frac{a}{P_c}$$

$$* P_c = \frac{a}{27b^2} \quad \text{--- (8)}$$

substitute (7) & (8) in (4)

$$3 \times 3b = b + \frac{RT_c}{a} \times 27b^2$$

$$* T_c = \frac{8a}{27Rb} \quad \text{--- (9)}$$

from eqn (7)

$$b = \frac{V_c}{3} \quad \text{--- (10)}$$

substitute value of  $b$  in (9)

$$P_c = \frac{a}{27 \left(\frac{V_c}{3}\right)^2} = \frac{a}{3V_c^2}$$

$$a = 3P_c V_c^2 \quad \text{--- (11) \text{th term of } P \text{ \& } V_c}$$



19/1/23

Page No.	
Date	

Q Difference b/w Electromagnetic wave & Matter wave?

Electromagnetic Wave	Matter wave.
<ul style="list-style-type: none"><li>Electromagnetic wave are along with electric &amp; magnetic field perpendicular to each other and to the direction of propagation of radiation.</li><li>Electromagnetic wave can be radiated into space or emitted</li><li>They do not require any medium for propagation i.e these waves can pass through vacuum.</li><li>All electromagnetic wave travel with the same velocity</li></ul>	<ul style="list-style-type: none"><li>Matter wave may not be associated with electric &amp; magnetic field</li><li>Matter <del>may</del> <sup>wave</sup> are either radiated into space or emitted by the particles. These are simply associated with particle</li><li>They require medium of propagation i.e these waves cannot pass through vacuum</li><li>Matter waves travel with different velocities</li></ul>
<p>The velocity of all electromagnetic wave is equal to that of light (<math>3 \times 10^8 \text{ m/s}</math>)</p> <p>The wavelength of electromagnetic radiation are much larger and are given by the relation.</p> $\lambda = \frac{c}{\nu}$ <p><math>\nu \Rightarrow</math> frequency</p>	<p>The velocity of matter waves is generally less than that of light</p> <p>The matter wave have shorter wavelength given by deBroglie equation.</p> $\lambda = \frac{h}{mv}$



Q Why electron cannot exist in the nucleus?

→ Because if electron were present within the nucleus then acc to uncertainty principle the change in velocity  $\Delta v$  comes out to be  $10^{10} \text{ m/s}$  which is not possible. Hence, electron cannot exist in the nucleus.

Acc to uncertainty principle

$$\Delta x \times \Delta p \geq \frac{h}{4\pi}$$

$$10^{-15} \times 9.1 \times 10^{-31} \text{ kg } \Delta v \geq \frac{6.6 \times 10^{-34} \text{ J/s}}{4 \times 3.14}$$

$$\Delta v = 5.77 \times 10^{10} \text{ m/s}^{-1}$$

Schrodinger Wave Equation  $\Rightarrow$

$$\frac{\partial^2 \psi}{\partial x^2} + \frac{\partial^2 \psi}{\partial y^2} + \frac{\partial^2 \psi}{\partial z^2} + \frac{8\pi^2 m}{h^2} (E - V) \psi = 0$$

$m$  = mass of electron

$E$  = total energy

$V$  = potential energy

$h$  = Planck's constant

$\psi$  = wave function

$$\nabla^2 \psi + \frac{8\pi^2 m}{h^2} (E - V) \psi = 0$$

$$\left[ \because \nabla^2 \psi = \frac{\partial^2 \psi}{\partial x^2} + \frac{\partial^2 \psi}{\partial y^2} + \frac{\partial^2 \psi}{\partial z^2} \right]$$



## Difference b/w orbit & orbitals

Orbit	Orbital
<ul style="list-style-type: none"><li>Orbit is a well defined circular path around the nucleus in which an electron revolves.</li><li>It represents the planar motion of an electron.</li><li>Orbit gives a definite path of an electron and this concept is not in accordance with the uncertainty principle.</li></ul>	<ul style="list-style-type: none"><li>It represents the region in space around the nucleus in which the probability of finding the electron is maximum.</li><li>It represents the three dimensional motion of an electron around the nucleus.</li><li>Orbital does not specify definite path and according to this concept, electron may be anywhere in this region. This concept is in accordance with the uncertainty principle.</li></ul>
<ul style="list-style-type: none"><li>All orbits are circular.</li></ul>	<ul style="list-style-type: none"><li>Orbitals have different shapes eg <math>s</math> orbitals are spherical while <math>p</math> is dumbbell.</li></ul>
<ul style="list-style-type: none"><li>Orbit do not have directional characteristics.</li></ul>	<ul style="list-style-type: none"><li>Except <math>s</math> orbital, all other have directional characteristics.</li></ul>
<ul style="list-style-type: none"><li>An orbit can accommodate electrons equal to <math>2n^2</math> where <math>n</math> is principle quantum number.</li></ul>	<ul style="list-style-type: none"><li>An orbital cannot accommodate more than two electrons.</li></ul>

Is  $1p$  possible if not why.

$1p$  is not possible because

possible

$n=1$

for  $1p$   $n=1$  &  $l$  also  $1$  which is not possible



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Subject:- PHYSICS

# GROUP PROJECT

**Group Members :** SAHIRA BANU & KOMAL REHAL

**Class :** BSc. Final Year

**Roll No. :** 22PHY016 & 22PHY020

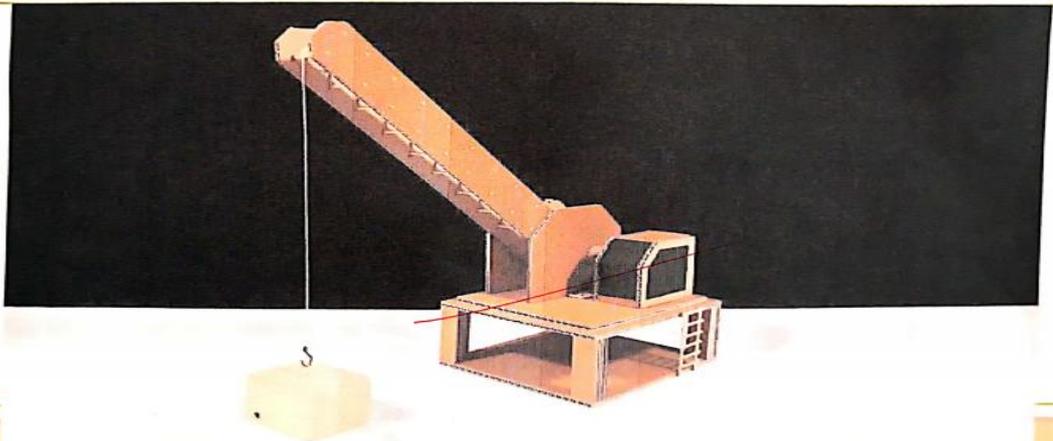
**Subject Code :** PHYS310(PR)

**Topic :** Hydraulic Crane

**Submitted To :** Prof. Amit Kumar

(Assistant Professor of Physics) MPGC A

## Hydraulic Crane Project





## Introduction

In this project, we build a small version using cardboard and simple materials.

- What is HYDRAULIC CRANE?

A hydraulic crane is a device that uses fluid mechanics to lift and move heavy objects.

## Materials used in this project

- Cardboard
- Syringes (for hydraulic system)
- Plastic tubing
- Water (or any fluid for the hydraulic system)
- Glue and tape
- Cutter and scissors
- Ruler and marker



## Working principles

The hydraulic system works on Pascal's law, which states that pressure applied to a confined fluid is transmitted equally in all directions. By pressing one syringe, the fluid transfers force to the connected syringe, allowing the crane to move or lift objects.

The crane works using hydraulics. When you push one syringe, the water moves through the tube to another syringe, making the crane move. This shows how fluid pressure can do work, transferring force and moving the crane.

## Conclusion on this project

Building a hydraulic crane from cardboard is an enjoyable and educational activity. It combines creativity with engineering and provides hands-on experience with fluid mechanics.

*Signature*



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ASSIGNMENT

SUB.-BOTANY

Plant Anatomy  
& Embryology  
Name : Akanksha  
Class : B.Sc. 2<sup>nd</sup> year  
Roll No : 24LCH007  
Subject : BOTA 201  
Code  
Submitted To :  
Dr. Nitin K. Sharma

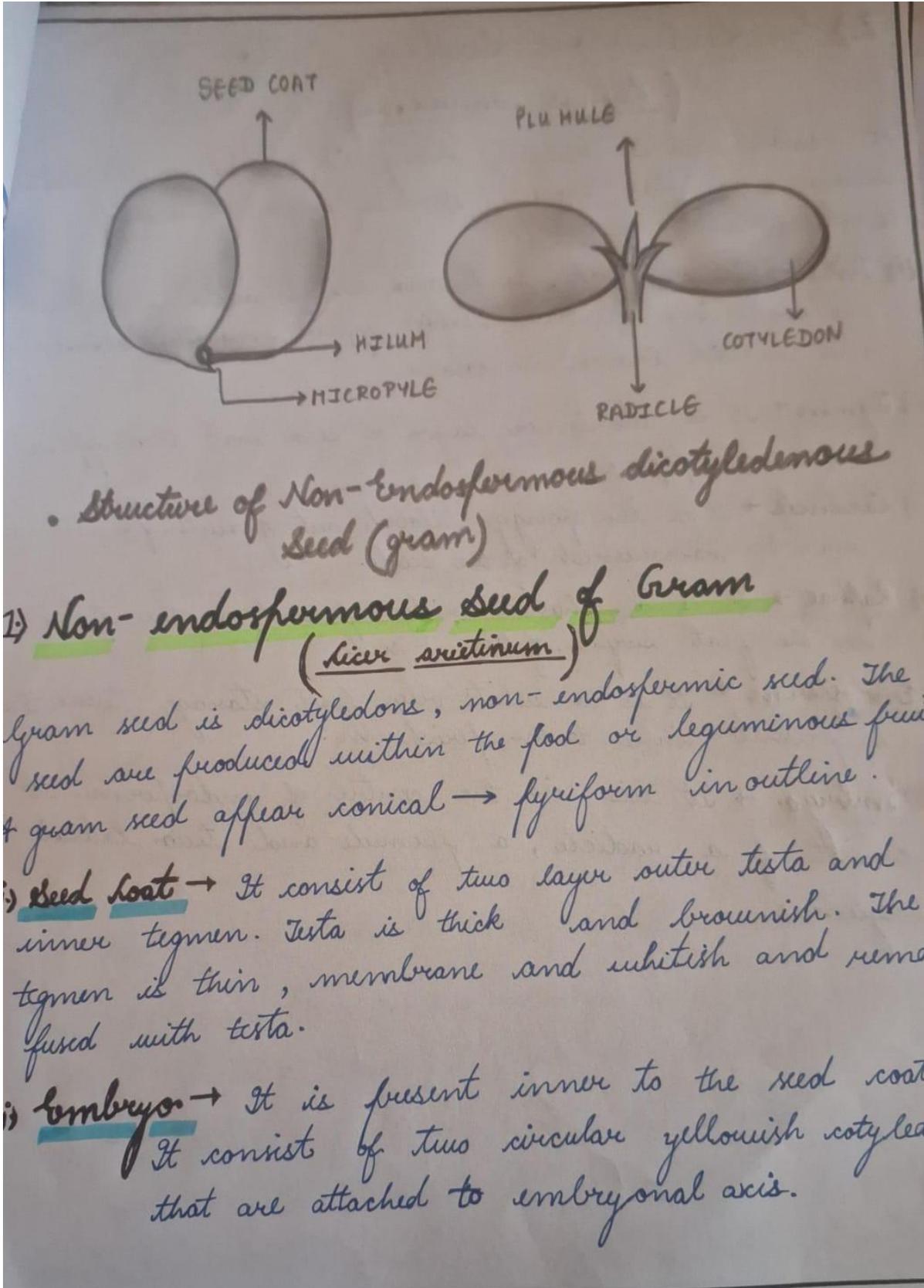


# Seed And Dispersal -l Mechanisms

A true seed is defined as a fertilized mature ovule that forms embryonic plant, stored material and a protective coat or coats. The embryo is made up of a radicle an embryonal axis and one or two cotyledons. Angiosperm or flowering plants have seeds enclosed within fruits, as compared to gymnosperms where the seed lie exposed to the cone or similar structure. The term angiosperm in fact means covered seeds or enclosed seeds.

## Structure of Seed

A Mature seed contains an embryonic plant and provided with reserve food materials and protective seed coats on the basis of no. of cotyledons in embryo the angiosperm have been divided into 2 large groups : Dicotyledons and Monocotyledons





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Plant Anatomy  
& Embryology  
Name : Akanksha  
Class : B.Sc. 2<sup>nd</sup> year  
Roll No : 24LGH007  
Subject : BOTA 201  
Code  
Submitted To :  
Dr. Nitin K. Sharma



# Mineral Nutrition

Every living organism requires nutrition for its survival and so do the plants. Unlike animals plants synthesise their organic materials by trapping solar energy through photosynthesis. They depend for external supply only for the elements metal or inorganic nutrients. The earth's crusts contain approx. 90 naturally occurring elements some of these elements are present in considerable quantities in the soil when other are in traces. These elements such as C, H, N, O these are bio elements. CO, Al, Fe, Na, P, K, S, Si, Mg etc constitute nearly 90% of the elemental composition of the environment. The rest 10 in the soil are metals such as As, Cd, Co, Cu, Sr, Hg, Mo, Mn, Ni, Pb, Se, Zn etc commonly called trace elements.

Plants obtain N, P, K, Ca, Mg and S nutrients from the soil. The 1<sup>o</sup> macronutrients (N, P and K) are required in large quantities and they effect the crop production in addition on growth and development. The nutrients can be from fertilizer in less quantities and mostly absorb in the soil development. The knowledge on mineral nutrition of the plant started during 18<sup>th</sup> century in Europe. Some of the early researches on mineral and nutrition listed below:

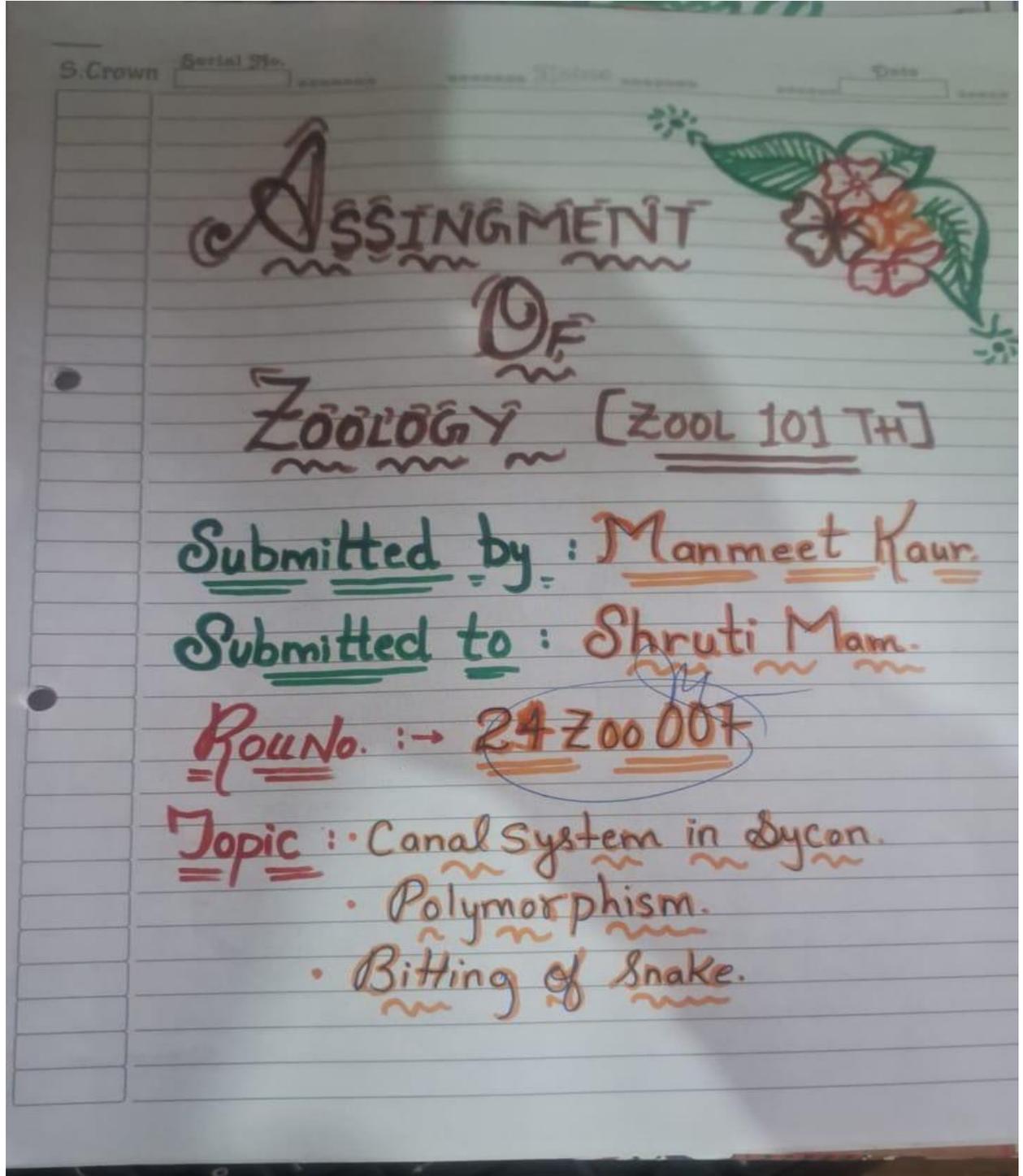
Jan Helmont (1648) :-

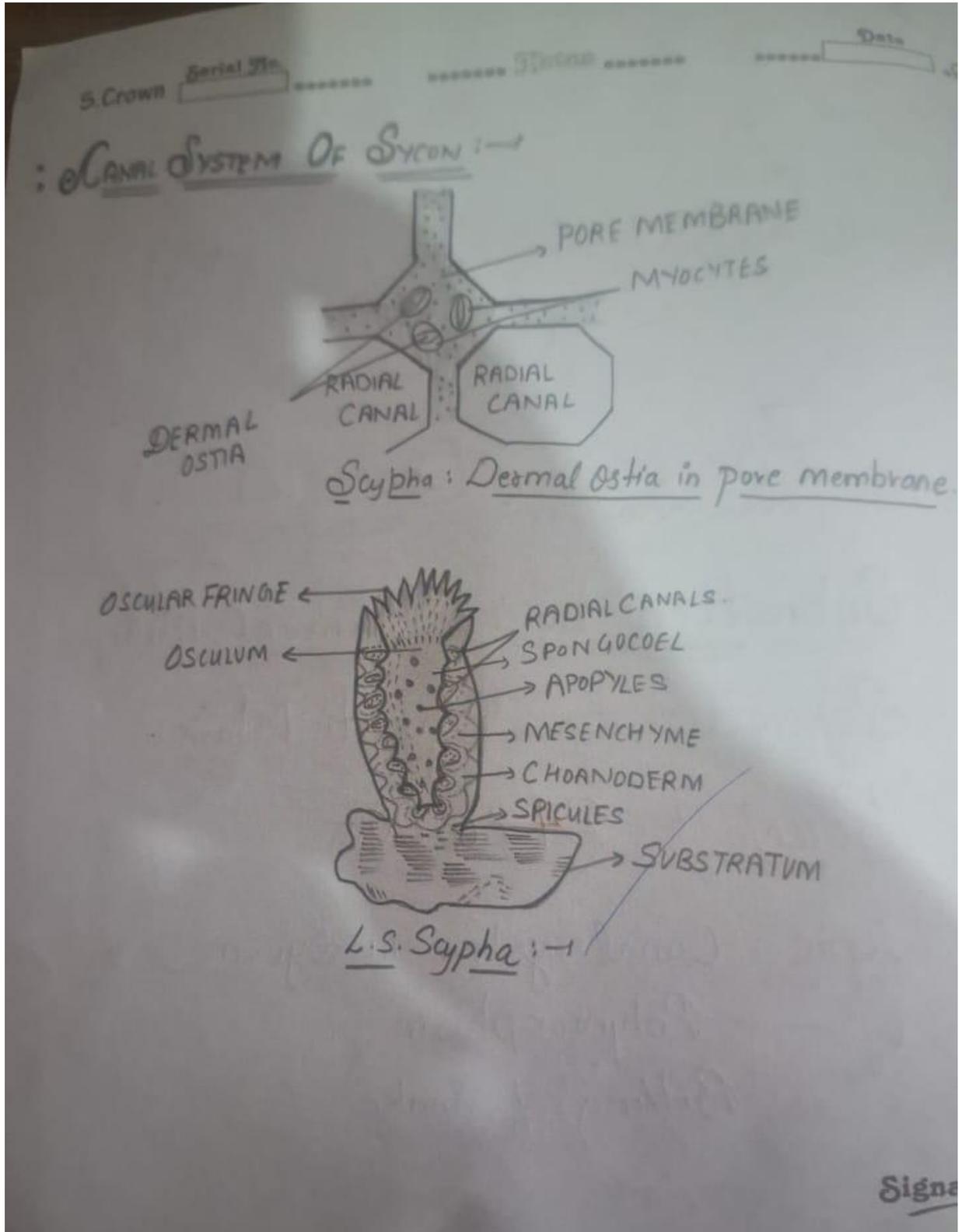
made 1<sup>st</sup> observation on nutrition in plants. He observed young seedling of Salix which formed a small tree.

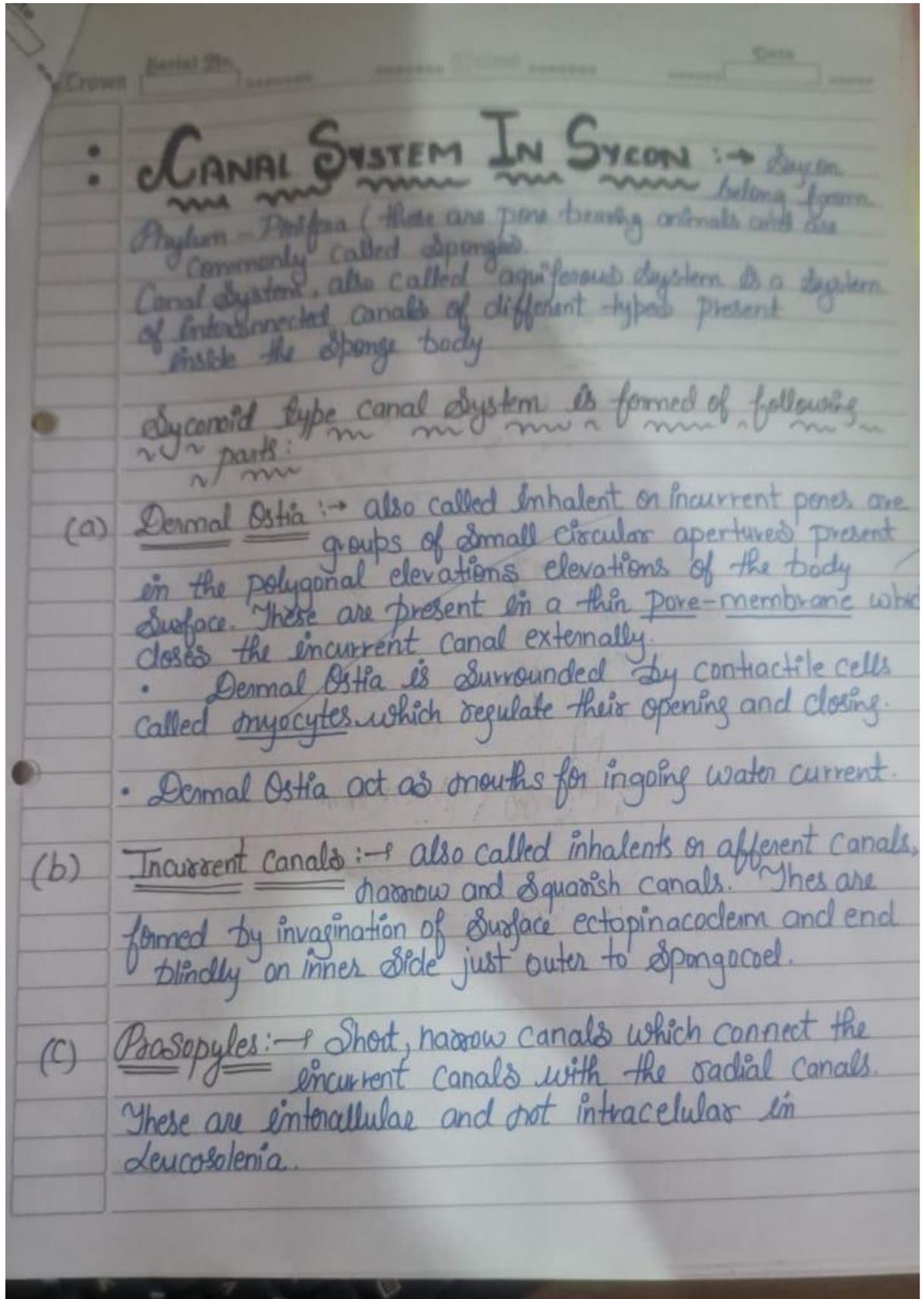


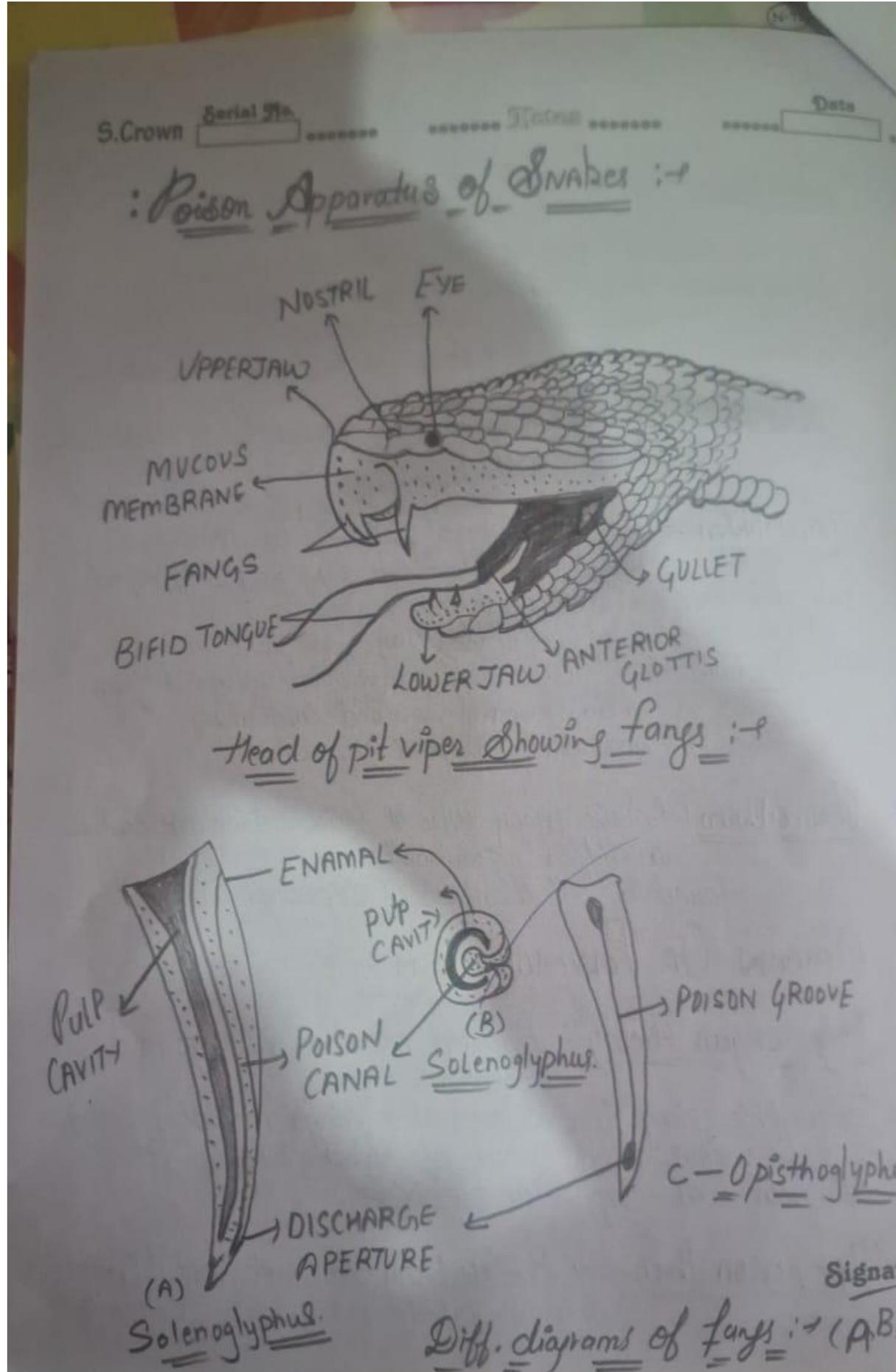
ASSIGNMENT

SUB.-ZOOLOGY











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75  
आज़ादी का  
अमृत महोत्सव

Topic \_\_\_\_\_ Date \_\_\_\_\_ (N-12)

NAME : ARCHITA SHARMA

CLASS : B. SC 1<sup>st</sup> Year

ROLL No. : 24200009

SUBJECT : ZOOLOGY [Comparative Anatomy  
and Development Biology  
of Vertebrates  
(ZOO102 TH)]

SUBMITTED TO: DR. SHRUTI

MAHARANA PRATAP GOVT. DEGREE COLLEGE  
AMB

Designer Sheet namish



Topic..... Date.....

(N-12)

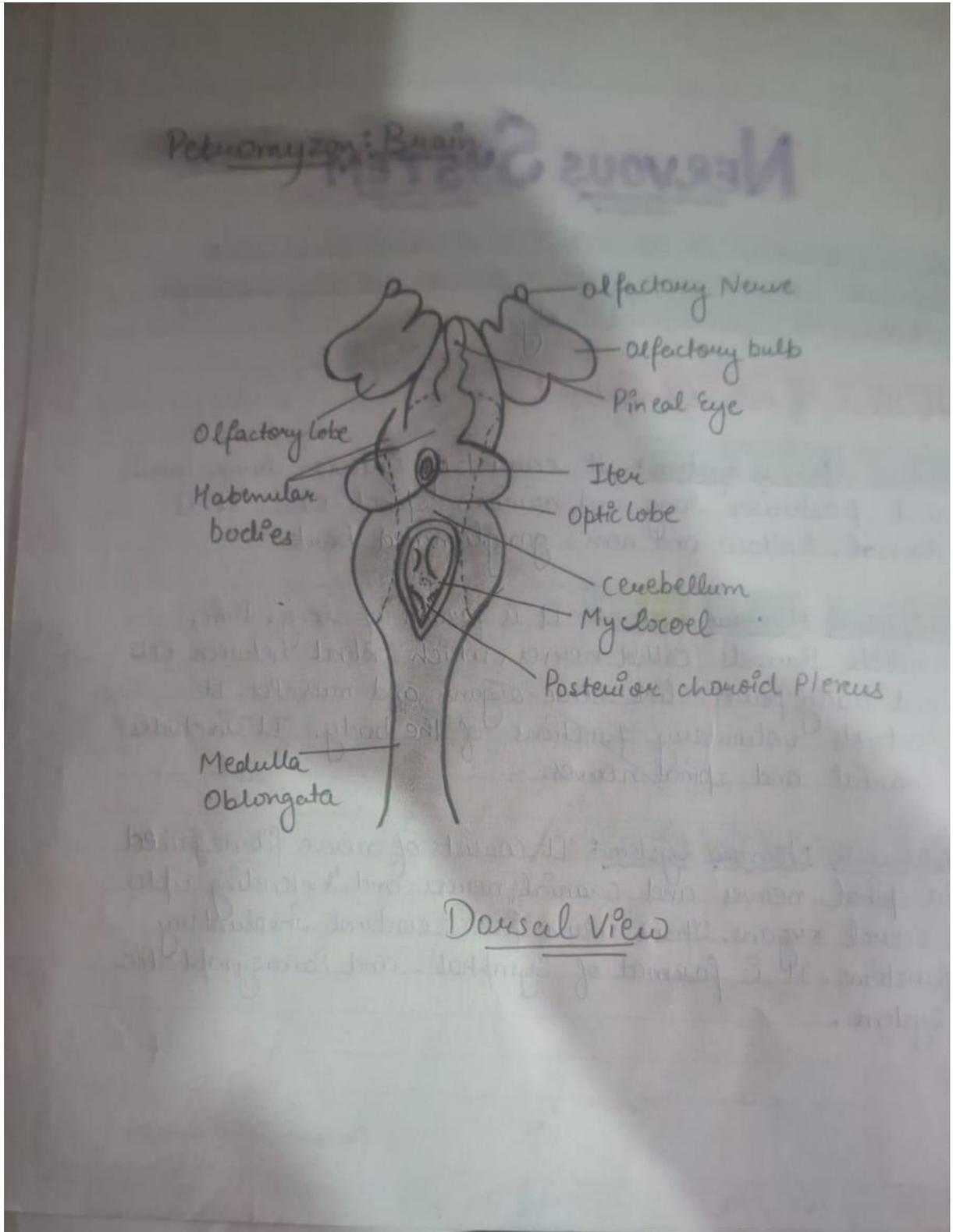
# NERVOUS SYSTEM

Nervous System is a network of nerve tissue that controls the body by sending and receiving messages between the brain and body.

## Divisions of Nervous System:

- 1 Central Nervous System: It consists of anterior large brain and posterior long and narrow spinal cord. It is dorsal, hollow and non-ganglionated part.
- 2 Peripheral Nervous System: It is formed of long, thin, whitish threads called nerves, which extend between CNS and body parts like sense organs and muscles. It controls voluntary functions of the body. It includes cranial and spinal nerves.
- 3 Autonomic Nervous System: It consists of nerve fibres joined to spinal nerves and cranial nerves and extending upto visceral organs. These nerve fibres control involuntary functions. It is formed of Sympathic and Parasympathic system.

Designer Sheet namish  
The best for you







Q1. Explain the following term -

~ Principle of prudence or conservatism :- इस सिद्धान्त के अनुसार अविष्णु में होने वाली संभावित हानियों का लेखा तो किया जाना चाहिए किन्तु संभावित लाभों को छोड़ दिया जाना चाहिए या लेखाकार (Playing Safe) की नीति को सुदृढिकता के सिद्धान्त के अंतर्गत अपनाता है। ज्ञात दायित्वों का प्रावधान करना चाहिए यद्यपि इनकी रकम संभावित अथवा अनिश्चित हैं। इसी प्रकार यदि लेन - देन से लाभ हो रहा है तो ऐसी विधि अपनानी चाहिए।

~ Double Entry System :- लेखांकन की Double Entry System प्रत्येक वित्तीय लेनदेन की एक method है जो दो खातों में Debit या credit के रूप में Record करती है। Debit की गई कुल राशि credit की गई कुल राशि के बराबर होनी चाहिए। प्रत्येक लेन - देन से दो खातों उभावित होते हैं। एक खाता माने वाला तथा दूसरा खाता देने वाला।

~ Depreciation :- सभी व्यवसायों में अनेक Fixed Assets को फर्नीचर आदि। इनके लगातार उपयोग के कारण इनके मूल में जो निरन्तर गिरावट आती है उसे Depreciation कहते हैं।



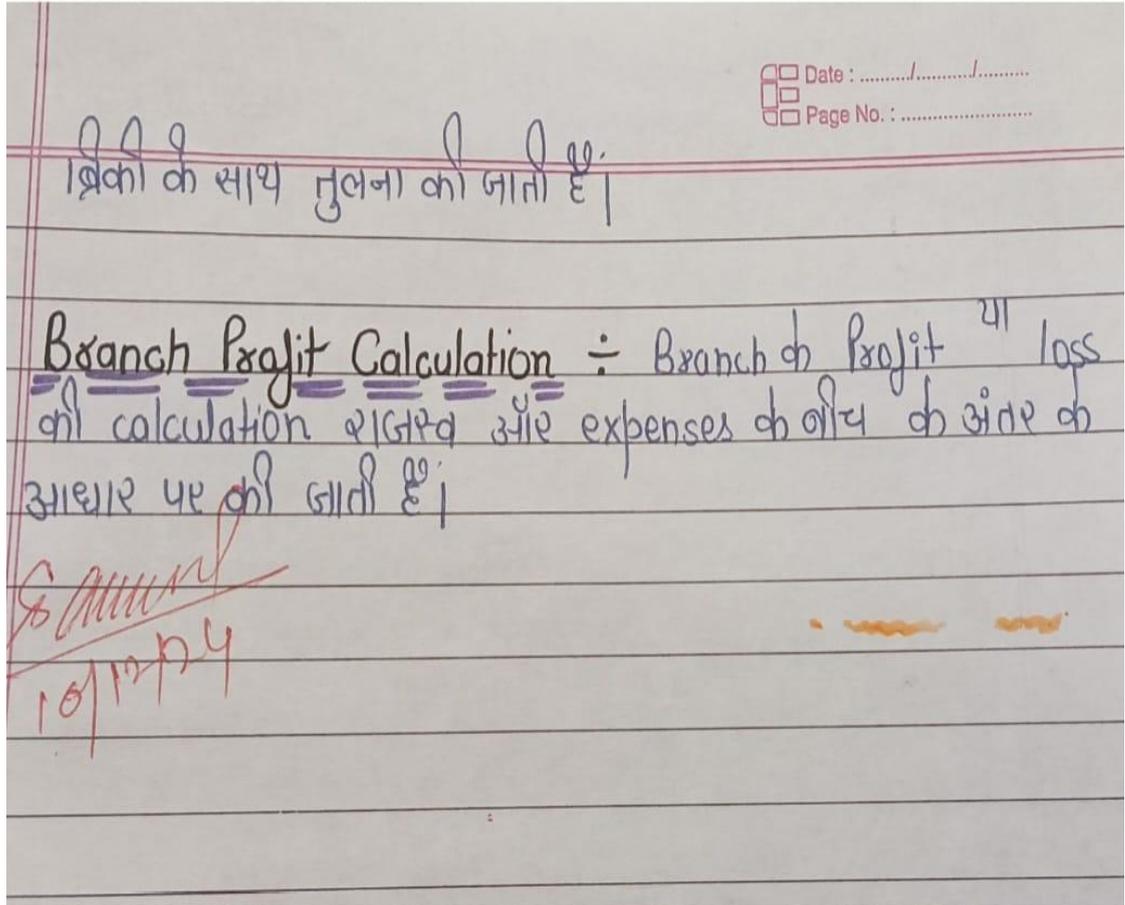
Date : .....  
Page No. : .....

Q1. Explain the following term -

~ Principle of prudence or conservatism :- इस सिद्धान्त के अनुसार अविष्णु में होने वाली संभावित हानियों का लेखा ती किया जाना चाहिए किन्तु संभावित लाभों को छोड़ दिया जाना चाहिए या लेखाकार (Playing Safe) की नीति को सुदृढिकता के सिद्धान्त के अंतर्गत अपनाता है। ज्ञात दायित्वों का प्रावधान करना चाहिए यद्यपि इनकी रकम संभावित अथवा अनिश्चित हों। इसी प्रकार यदि लेन - देन से लाभ हो रहा है तो ऐसी विधि अपनानी चाहिए।

~ Double Entry System :- लेखांकन का Double Entry System प्रत्येक वित्तीय लेनदेन को एक method है जो दो खातों में Debit या credit के रूप में Record करती है। Debit की गई कुल राशि credit की गई कुल राशि के बराबर होनी चाहिए। प्रत्येक लेन-देन से दो खाते उभावित होते हैं। एक खाता माने वाला तथा दूसरा खाता देने वाला।

~ Depreciation :- सभी दृष्टवस्तुओं में अनेक Fixed Assets की जाती हैं। जैसे - भूमि, भवन, फर्नीचर आदि। इनके लगातार उपयोग के कारण इनके मूल्य में निरन्तर गिरावट आती है उसे Depreciation कहते हैं।





Ques 1) Define Previous Year and Assessment Year?  
Explain the exception to general rule that income of previous year is put to tax on Assessment Year?

Ans:-) **Assessment Year** -> It means the period of 12 months commencing from 1st Ap. to 31 March. Assessment year is also called Income Tax Year because income of previous year of an assessee is taxed during the following assessment year at the rates prescribed for such assessment year.

**Previous Year** -> Income earned in a year is taxable in the next year. The year in which income is earned is known as Previous Year.

=> For example -> The income earned during the previous year 2023-24 is taxable in the assessment year 2024-25. Thus, for the assessment year 2024-25, previous year will commence on 1st Ap. 2023 and will end on 31st March 2024.



# Assignment

Submitted by:

Name: Anbita

Class: BCom (II)

Roll No.: 23BCM056

Submitted to:

Teacher's Name:

Mr. Jameet Kumar

Remarks:

## INDEX

Sr. No.	Particulars
1.	Previous Year & Assessment Year Exception to general rule
2.	Agricultural Income
3.	Exempted Income
4.	Allowances & its types
5.	Annual value of house Property. Determination of let out or self occupied House Property.
6.	Set off & carry forward of loss with provisions Regarding it
7(a)	Reference b/w STCG or LTCG
7(b)	Provision Regarding Clubbing of Income.



Evergreen		
Page No. _____		
Date: / / 20__		
64(1) (vii)	Transfer of assets by an individual for immediate or deferred benefit of his/her son's wife without consideration.	<p>Transferor.</p> <ul style="list-style-type: none"> <li>• If transferor is for adequate consideration.</li> <li>• If transfer is made before 31.5.1973.</li> </ul>
64 (1A)	Income of Minor Child	<p>If marriage subsists, in hands of parent whose total income is greater, If marriage doesn't subsist, in hands of person who maintains the minor child.</p> <ul style="list-style-type: none"> <li>• Income of Minor child suffering any disability.</li> <li>• Income on a/c of manual work done by minor.</li> <li>• Income due to applicable of skills talent or specialized knowledge.</li> </ul> <p>Exemption of ₹ 1500 p.a per child</p>
64(2)	Conversion of unoccupied individual property.	<p>Individual.</p> <p>If conversion made before 31.12.1969,</p>



Signature  
28/11/24





# MaharanaPratapGovt.DegreeCollegeAmb

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MAHARANA PRATAP		GOVT. DEGREE COLLEGE AMB		Total Lectures Delivered	30																						
				75% of Lectures Delivered																							
Name of the Asst./Associate Prof. <u>Dr. Kusabha</u> Subject <u>Chemistry Class BSc</u>		Semester <u>2<sup>nd</sup> Year</u> Session <u>2024-25</u> Week <u>Nov 24</u>																									
Month/Year <u>Nov 2024</u>																											
Sr. No.	Name of Student	Roll / Regn No.	University Roll No.	Attendance on Date												Total Attendance	Performance (Assign/Mini test)	CCA Score	Remarks								
				1	2	3	4	5	6	7	8	9	10	11	12												
1	Amshika	24A07001	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	49	2/30	4	10	Amshika
2	Vanshika	24A07002	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	52	4/30	5	10	Vanshika
3	Aakshi	24A07003	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	38	4/30	5	10	Aakshi
4	Satvika	24A07004	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	38	4/30	5	10	Satvika
5	Pratik	24A07005	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	38	4/30	5	10	Pratik
6	Vachana	24A07006	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	56	3/22	5	9	Vachana
7	Ashwini	24A07007	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	44	4/30	3	8	Ashwini
8	Jasvi	24A07008	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	51	4/28	5	10	Jasvi
9	Anchal Dhanraj	24A07009	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	46	3/26	3	6	Anchal
10	Dalika	24A07010	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	49	2/26	3	6	Dalika
11	Chetanpriya	24A07011	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	46	4/30	4	10	Chetanpriya
12	Amisha	24A07012	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	55	3/19	5	10	Amisha
13	Anchal	24A07013	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	61	4/31	5	10	Anchal
14	Vanshu	24A07014	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	38	2/50	6	10	Vanshu
15	Tijali	24A07015	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	52	3/25	5	8	Tijali
16	Ashika	24A07016	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	56	3/25	5	10	Ashika
17	Tanvi	24A07017	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	54	4/22	5	10	Tanvi
18	Akanksha	24A07018	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	58	3/27	5	10	Akanksha
19	Anamika	24A07019	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	33	4/21	3	7	Anamika
20	Kamishika	24A07020	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	32	3/10	3	7	Kamishika

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				75% of Lectures Delivered																							
Name of the Asst./Associate Prof. <u>Dr. Kusabha</u> Subject <u>Chemistry Class BSc</u>		Semester <u>2<sup>nd</sup> Year</u> Session <u>2024-25</u> Week <u>12<sup>th</sup> Nov 24</u>																									
Month/Year <u>Nov 2024</u>																											
Sr. No.	Name of Student	Roll / Regn No.	University Roll No.	Attendance on Date												Total Attendance	Performance (Assign/Mini test)	CCA Score	Remarks								
				1	2	3	4	5	6	7	8	9	10	11	12												
1	Komal Kumari	24A07021	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	50	2/26	4	10	Komal
2	Kyngal	24A07022	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	37	3/49	8	10	Kyngal
3	Sachin	24A07023	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	38	4/30	5	10	Sachin
4	Ekansh Singh	24A07024	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	52	2/24	4	8	Ekansh
5	Khanhbu	24A07025	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	54	4/27	5	9	Khanhbu
6	Ashmitika	24A07026	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	51	4/23	4	7	Ashmitika
7	Anamika	24A07027	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	39	3/21	3	10	Anamika
8	Aritav Kumar	24A07028	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	54	4/24	5	10	Aritav
9	Rajit	24A07029	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	34	2/42	4	10	Rajit
10	Mehak	24A07030	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	54	4/28	5	10	Mehak
11	Kulvinder Singh	24A07031	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	52	4/28	5	10	Kulvinder
12	Vansh	24A07032	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	42	4/20	5	7	Vansh
13	Sarvi	24A07033	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	33	5/35	5	9	Sarvi
14	Nitin	24A07034	11 10 1	2 3 4 5 6 7 8 9 10 11 12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	29	1/36	6	5	Nitin



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SCIENCE

Date sheet for Mid. Term. Exam (2024-25)

TIME 12:00-1:00 PM

Date	B.A/B.Sc-I	B.A/B.Sc-II	B.A/B.Sc-III
16.12.2024	COMP101 TH CHEM101	COMP201 TH CHEM201	MATH 304,ZOOL-301
17.12.2024	ZOOL-101,MATH101	COMP202 TH CHEM202	COMP302 CHEM305
18.12.2024	COMP102 TH CHEM102	PHY201,BOTA-201	PHY301,BOTA-301
19.12.2024	PHY101,BOTA-101	MATH 201,ZOOL-201	(SEC) ZOOL-304,BOTA-307, MATH-317,PHYS- 310,CHEM-308
20.12.2024	ENGLISH	PHY202,BOTA-202	COMP301 CHEM301
21.12.2024	PHY102,BOTA-102	(SEC) ZOOL-203,BOTA- 203, MATH-309,PHYS- 203,CHEM-203	
23.12.2024			MATH 301,ZOOL-302
24.12.2024	ZOOL-102,MATH102	SEC) ZOOL-204,BOTA- 204, MATH-310,PHYS- 205,CHEM-204, COMP203	PHY304,BOTA-303
26.12.2024		MATH 202,ZOOL-202	SEC) ZOOL-303,BOTA-306, MATH-313,PHYS- 307,CHEM-307,COMP-303

**Note:** Any objection/query may be brought in the notice of Dr Nitin Kumar Sharma on or before 12/12/2024.

  
Principal  
MPG Degree College  
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AMB



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COMMERCE



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**BCOM. MTT DATESHEET DEC. 2024 (TIMING -10:00-11:00 AM)**

Date	B.Com. I	B.Com. II	B.Com. III
16-12-2024	Business Law (BC 1.3)	Cost Accounting (BC 2.5)	Fundamentals of Investment (BC 3.6(c))
17-12-2024	Comp. Sanskrit (103)		Principles of Marketing BC3.1(b)
18-12-2024		Company Law (BC 2.1)	Personal Selling & Salesmanship (BC3.7)
19-12-2024	Financial Accounting (BC1.1)	E-Commerce (BC2.6)	
20-12-2024	Business Organisation and Management (BC 1.2)		Management Accounting (BC3.5(e))
21-12-2024		Comp English 2	Economy of HP (ECONA -313)
23-12-2024	Business Statistics & Maths. (BC1.4)	Income Tax (BC2.2)	GST (BC 3.2(b))
24-12-2024	English-AECC II	Computer Applications in Business (BC 2.3)	Indian Economy (ECONA314)
26-12-2024		Corporate Accounting (BC 2.4)	Entrepreneurship (BC3.3)
27-12-2024	Comp. English I	Comp. Hindi 2	

Any objection or query must be brought to the notice of Prof. Anay Kumar on or before 12<sup>th</sup> December 2024 upto 3pm.

  
Principal MPG Amb  
MPG Degree College  
Amb Distt. Una (H.P.)



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## ARTS



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### Date Sheet for UG (CBCS) Class BA 1<sup>st</sup> Year Mid Term Exams to be held wcf 16<sup>th</sup> December 2024

Date	Class	Title of the Course	Course Code	Time
16-12-2024	BA 1 <sup>st</sup> Year	Principles of Micro Economics-I (DSC/DSE)-1	ECONA-101	2.00pm to 3.00pm
17-12-2024	BA 1 <sup>st</sup> Year	History (DSC/DSE)-1	HIST.-101	
18-12-2024	BA 1 <sup>st</sup> Year	Political science (DSC/DSE)-1	POLS-101	2.00pm to 3.00pm
19-12-2024	BA 1 <sup>st</sup> Year	<b>Differential Calculus Maths (DSC/DSE)-1</b>	<b>MATHS-101</b>	
18-12-2024	BA 1 <sup>st</sup> Year	Compulsory Sanskrit ( Niti Sahityas)	SKT-103	2.00pm to 3.00pm
19-12-2024	BA 1 <sup>st</sup> Year	Hindi Sahitya ka Itihas (DSC/DSE) -1	HIND-102	
19-12-2024	BA 1 <sup>st</sup> Year	English Literature-I (DSC/DSE) -1	ENG-102	
20-12-2024	BA 1 <sup>st</sup> Year	Sanskrit Kavya (DSC/DSE) -1	SKT-101	2.00pm to 3.00pm
20-12-2024	BA 1 <sup>st</sup> Year	Music (DSC/DSE) -1	MUSA-101TH	
20-12-2024	BA 1 <sup>st</sup> Year	Physical Education (DSC/DSE) -1	PED-101	
20-12-2024	BA 1 <sup>st</sup> Year	Journalism and Mass Communication (DSC/DSE) -1	BJMCPAC-101	
21-12-2024	BA 1 <sup>st</sup> Year	Introduction to Sociology (DSC/DSE) -1	SOCL-A 101	2.00pm to 3.00pm
21-12-2024	BA 1 <sup>st</sup> Year	Compulsory English	ENG CE-101	2.00pm to 3.00pm
23-12-2024	BA 1 <sup>st</sup> Year	Principles of Micro Economics-I I (DSC/DSE)-2	ECONA-102	2.00pm to 3.00pm
23-12-2024	BA 1 <sup>st</sup> Year	History (DSC/DSE) -2	HIST.-102	2.00pm to 3.00pm
24-12-2024	BA 1 <sup>st</sup> Year	Political science (DSC/DSE) -2	POLS-102	2.00pm to 3.00pm
24-12-2024	BA 1 <sup>st</sup> Year	Differential Equation Maths (DSC/DSE) -2	MATHS-102	<b>12.00pm to 1.00pm</b>
26-12-2024	BA 1 <sup>st</sup> Year	English AECC	ENGAECC-104	2.00pm to 3.00pm
26-12-2024	BA 1 <sup>st</sup> Year	Hini Bhasa Avam Sampreshn AECC-2	HIND-102	
27-12-2024	BA 1 <sup>st</sup> Year	Madhyakalin Hindi Kavita (DSC/DSE) -2	HIND-103	2.00pm to 3.00pm
27-12-2024	BA 1 <sup>st</sup> Year	English ( Poems, Short stories and Essays (DSC/DSE) -2	ENG-103	2.00pm to 3.00pm
27-12-2024	BA 1 <sup>st</sup> Year	Sanskrit Gadha Kavya (DSC/DSE) -2	SKT-102	2.00pm to 3.00pm
28-12-2024	BA 1 <sup>st</sup> Year	Music (DSC/DSE) -2	MUSA-103TH	2.00pm to 3.00pm
28-12-2024	BA 1 <sup>st</sup> Year	Physical Education (DSC/DSE) -2	PED-102	2.00pm to 3.00pm
28-12-2024	BA 1 <sup>st</sup> Year	Journalism and Mass Communication (DSC/DSE) -2	BJMCPAC-102	2.00pm to 3.00pm
28-12-2024	BA 1 <sup>st</sup> Year	Society in India (DSC/DSE) -2	SOCL-A 102	2.00pm to 3.00pm

NOTE: i) For the Courses of Mathematics, check the date sheet of Science Stream.  
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### Date Sheet for UG (CBCS) Class BA 2<sup>nd</sup> Year Mid Term Exams to be held w.e.f. 14<sup>th</sup> December 2024

Date	Class	Title of the Course	Course Code	Time
14-12-2024	BA 2 <sup>nd</sup> Year	Music- 2 (DSC/DSE) -2	MUSA-203TH	10.00am to 11.00am
14-12-2024	BA 2 <sup>nd</sup> Year	Music- 1- (DSC/DSE) -1	MUSA-201TH	2.00pm to 3.00pm
16-12-2024	BA 2 <sup>nd</sup> Year	Sanskrit Natak (DSC/DSE) -1	SKT-201	2.00pm to 3.00pm
16-12-2024	BA 2 <sup>nd</sup> Year	Hindi Gadhya Sahitya (DSC/DSE) -1	HIND-203	2.00pm to 3.00pm
16-12-2024	BA 2 <sup>nd</sup> Year	English – Literary Cross Currents (DSC/DSE) -1	ENG-203	2.00pm to 3.00pm
17-12-2024	BA 2 <sup>nd</sup> Year	Principles of Macro Economics-I (DSC/DSE) -1	ECONA-201	2.00pm to 3.00pm
17-12-2024	BA 2 <sup>nd</sup> Year	History (DSC/DSE) -1	HIST.-203	2.00pm to 3.00pm
18-12-2024	BA 2 <sup>nd</sup> Year	Physical Education (DSC/DSE) -1	PED-201TH	2.00pm to 3.00pm
18-12-2024	BA 2 <sup>nd</sup> Year	Journalism and Mass Communication (DSC/DSE) -1	BJMCPAC-201	2.00pm to 3.00pm
18-12-2024	BA 2 <sup>nd</sup> Year	Sociological Theories (DSC/DSE) -1	SOCL-201 TH	2.00pm to 3.00pm
19-12-2024	BA 2 <sup>nd</sup> Year	Political Science (DSC/DSE) -1	POLS-201	2.00pm to 3.00pm
19-12-2024	BA 2 <sup>nd</sup> Year	<b>Real Analysis Maths (DSC/DSE) -1</b>	<b>MATHS-201</b>	<b>12.00pm to 1.00pm</b>
20-12-2024	BA 2 <sup>nd</sup> Year	Compulsory English	ENGCE-201	2.00pm to 3.00pm
21-12-2024	BA 2 <sup>nd</sup> Year	Sanskrit Vyakaran (DSC/DSE) -2	SKT-202	2.00pm to 3.00pm
21-12-2024	BA 2 <sup>nd</sup> Year	Aadhunik Hindi Kavita (DSC/DSE) -2	HIND-202	2.00pm to 3.00pm
21-12-2024	BA 2 <sup>nd</sup> Year	English – British Literature (Play and novel) (DSC/DSE) -2	ENG-202	2.00pm to 3.00pm
23-12-2024	BA 2 <sup>nd</sup> Year	<b>INTEGRAL Calculus SEC-1</b>	<b>MATH-309</b>	<b>12.00Pm to 1.00pm</b>
23-12-2024	BA 2 <sup>nd</sup> Year	Principles of Macro Economics-I I (DSC/DSE) -2	ECONA-202	2.00pm to 3.00pm
23-12-2024	BA 2 <sup>nd</sup> Year	History (DSC/DSE) -2	HIST.-204	2.00pm to 3.00pm
24-12-2024	BA 2 <sup>nd</sup> Year	Physical Education (DSC/DSE) -2	PED-202TH	2.00pm to 3.00pm
24-12-2024	BA 2 <sup>nd</sup> Year	Journalism and Mass Communication (DSC/DSE) -2	BJMCPAC-202	2.00pm to 3.00pm
24-12-2024	BA 2 <sup>nd</sup> Year	Methods of Sociological Enquiry (DSC/DSE) -2	SOCL-202TH	2.00pm to 3.00pm
24-12-2024	BA 2 <sup>nd</sup> Year	<b>VECTOR Calculus SEC-1</b>	<b>MATH-310</b>	<b>12.00Pm to 1.00pm</b>
26-12-2024	BA 2 <sup>nd</sup> Year	<b>Algebra Maths (DSC/DSE) -2</b>	<b>MATHS-202</b>	<b>12.00Pm to 1.00pm</b>
26-12-2024	BA 2 <sup>nd</sup> Year	Political science (DSC/DSE) -2	POLS-202	2.00pm to 3.00pm
27-12-2024	BA 2 <sup>nd</sup> Year	Compulsory Hindi Core Course	HIND-201	2.00pm to 3.00pm
28-12-2024	BA 2 <sup>nd</sup> Year	Economics of Rural Development	ECONA-204	10.00am to 11.00am
28-12-2024	BA 2 <sup>nd</sup> Year	Historical Tourism	HIST.-213	
28-12-2024	BA 2 <sup>nd</sup> Year	Karyalayi Hindi	HIND-204	
28-12-2024	BA 2 <sup>nd</sup> Year	Legislative Support	POLS-203	
28-12-2024	BA 2 <sup>nd</sup> Year	AAyurved ke Mool Sidhant	SKT-AECC-205	
28-12-2024	BA 2 <sup>nd</sup> Year	Creative Writing, Book and Media Reviews	ENG-AECC-204	



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28-12-2024	BA 2 <sup>nd</sup> Year	Techniques of Social Research	SEC-2	SOCL-A 203	2.00pm to 3.00pm
		Demography		ECONA-206	
		An introduction to Archaeology		HIST-215	
		Anuvad Vighan		HIND-206	
		Public Opinion and Survey Research		POLS-204	
		Sanskrit Chhand Avam Gayan		SKT-AEEC-206	
		Translation Studies and Principles of Translation		ENG-AEEC-205	
		Sociology of Environment		SOCL-A 204	

NOTE: i) For the Courses of Mathematics, check the date sheet of Science Stream.

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## Date Sheet for UG (CBCS) Class BA 3<sup>rd</sup> Year Mid Term Exams to be held w.e.f. 16<sup>th</sup> December 2024

Date	Class	Title of the Course		Course Code	Time
16-12-2024	BA 3 <sup>rd</sup> Year	Themes in Comparative Political Theory	DSE-1	POLS-301(A)	2.00pm to 3.00pm
		<b>Numerical Method (Maths)</b>	DSE-1	<b>MATH-304</b>	<b>12.00pm to 1.00pm</b>
17-12-2024	BA 3 <sup>rd</sup> Year	Physical Education	GEC-1	PED-309TH	2.00pm to 3.00pm
		Music Vocal/Instrumental		MUSA-307TH	
		Paatnjai Yogsootra		SKT-GE-303	
		Literature From Himachal		ENG-GE-305	
18-12-2024	BA 3 <sup>rd</sup> Year	Sociology -Marriage, Family & kinship	DSE-1	SOCL-304	2.00pm to 3.00pm
		Physical Education	DSE-1	PED-305TH	
		Journalism and Mass Communication	DSE-1	BJMCPAC-301	
19-12-2024	BA 3 <sup>rd</sup> Year	Lok Sahitya	DSE-1	HIND-305	2.00pm to 3.00pm
		Soft Skills	DSE-1	ENG-303	
		<b>Transportation and Game Theory</b>	<b>SEC-II</b>	<b>MATH-317</b>	
20-12-2024	BA 3 <sup>rd</sup> Year	Physical Education	GEN-2	PED-310TH	2.00pm to 3.00pm
		Bhasa Vighan ke Moolbhoot Sidhan		SKT-GE-304	
		Contemporary India: Women & Empowerment		ENG-GE-306	
21-12-2024	BA 3 <sup>rd</sup> Year	<b>Economy of Himachal Pradesh</b>	<b>DSE/GEN-1</b>	<b>ECONA-303/313</b>	<b>10.00 to 11.00am</b>
		Modern and Contemporary World History-I	DSE-1	HIST-305	2.00pm to 3.00pm
		Music	DSE-1	MUSA-303TH	
23-12-2024	BA 3 <sup>rd</sup> Year	Democracy and Governance	DSE-2	POLS-302	2.00pm to 3.00pm
		<b>Matrices Maths</b>	<b>DSE-2</b>	<b>MATH-301</b>	<b>12.00pm to 1.00pm</b>
24-12-2024	BA 3 <sup>rd</sup> Year	Sociology -Social Stratification	DSE-2	SOCL-305	2.00pm to 3.00pm
		Physical Education	DSE-2	PED-307TH	
		Journalism and Mass Communication	DSE-2	BJMCPAC-302 P	
26-12-2024	BA 3 <sup>rd</sup> Year	Academic Writing and Composition	DSE-2	ENG-304	2.00pm to 3.00pm
		Chhayadotar Hindi Kavita	DSE-2	HIND-306	2.00pm to 3.00pm
		<b>Probability and Statistics</b>	<b>SEC-I</b>	<b>MATH-313</b>	<b>12.00Pm to 1.00pm</b>
27-12-2024	BA 3 <sup>rd</sup> Year	<b>Development Economics</b>	<b>DSE-2</b>	<b>ECONA-305/315</b>	<b>10.00am to 11.00am</b>
		Modern and Cotemporary World History-II	DSE-2	HIST-307	2.00pm to 3.00pm



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28-12-2024	BA 3 <sup>rd</sup> Year	Music-II	DSE-2	MUSA-305TH	10.00am to 11.00am	
		Public Finance		SEC-I		ECONA-310
		Rang Aalekh avam Ranmanch				HIND-301
		Indian History and Culture				HIST-317
		Democratic Awareness through Legal Literacy				POLS-303
		Technical Writing				ENG-AEEC-301
28-12-2024	BA 3 <sup>rd</sup> Year	Social demography		SOCL-301	2.00pm to .300pm	
		Money and Banking	SEC-II	ECONA-311		
		Samachar Sankaln Aur Lekhan		HIND-304		
		Introduction to Indian Art		HIST-319		
		Conflict and Peace Building		POLS-304		
		Business Communication		ENG-AEEC-302		
Theory & practice of Development	SOCL-302					

NOTE: i) For the Courses of **Mathematics**, check the date sheet of Science Stream and For the Courses of **ECONOMICS (DSE)**,

check the date sheet of **Commerce Stream**.

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**Mid Term Exam October 2024 (Odd Semester)**

**Timing: 10: 30 pm to 11:30 pm**

Class/time	19.10.2024	21.10.2024	22.10.2024	25.10.2024	26.10.2024
BCA-I Sem.	Office Automation	C Programming	Fundamental of Computer	Math	Applied English
BCA-III Sem.	DTP	Math	C++	Computer Organization	Business Practise & Mgt
BCA V Sem.	ASP.NET	MIS	Operating System	E-Commerce	Computer Oriented Statistical
BBA-I Sem.	Statistics for Business Decision	Fundamental of Mgt.	Entrepreneurship Development		
BBA-III Sem.	Management Accounting	Macro Economics	Personality Development & communication skill	India Diversity & business	Principal of Marketing
BBA V Sem.	HRD system & Strategies	Quantitatives Techniques for Management	Legal Aspect of Business	Training & Management Development	

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**Mid Term Exam March 2025**  
Timing: 10:30 am to 11:30 pm

Class/time	10.03.2025	11.03.2025	12.03.2025	13.03.2025	15.03.2025
BCA-II Sem.	Math	Digital Electronics	Data Structure	DBMS	Comm. Eng
BBA-II Sem.	Managerial Economics	Business Ethics & CSR	Business Accounting	Business Communication	
BCA-IV Sem.	Internet Technology & Web Page	Visual Basic	Accounting	Personnel Management	System Analysis & Design
BBA-IV Sem.	Tax Planning	Human Resource Management	IT Tools in Business	Financial Management	Business Research
BCA V Sem.	Computer Graphics	Numerical Method	Software Eng.	Computer Network	Multimedia
BBA V ISem.	Business Policy & strategy	Financial Institutions & Market	Performance compensation & MGT		

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Co-ordinator (BCA & BBA)  
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Convener IQAC



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