



**GOVERNMENT COLLEGE FOR MEN, KURNOOL**

(Affiliated to Rayalaseema University, Kurnool) &  
Constituent College to Cluster University, Kurnool(w.e.f 2021-22)  
Doctors' Colony, B-Camp, Kurnool – 518002, Andhra Pradesh.

## **Assessing the learning levels of the students and organizes special Programmes for advanced learners**

### **Student Seminars**



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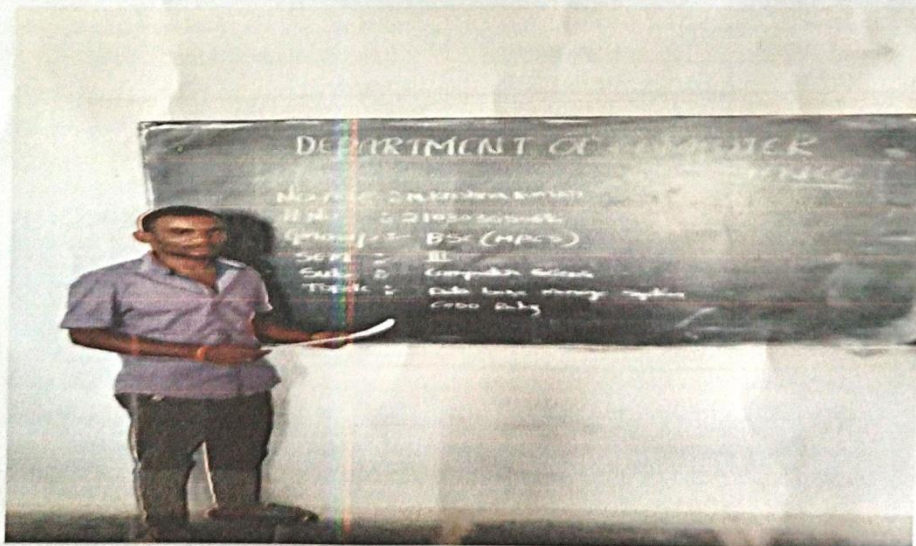


**GOVERNMENT DEGREE COLLEGE FOR MEN  
KURNOOL**  
KURNOOL DISTRICT, ANDHRA PRADESH

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## Student Class Seminar

1. Department: Computer Science Sem: III Paper: I
2. Seminar by: M. Krishna Kumar
3. Title of the Paper: DBMS
4. Seminar on: CODD Rules
5. Year and Group: II BSc MPCs
6. No of Student attended:
7. Signature of the Student: M. Krishna Kumar
8. Name of the Lecturer: Sunil Reddy Sir.



Signature of the In-charge





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Government Degree College, For Men Kurnool.  
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Students Attendance List

Department:

Sem:

paper:

Title of the paper:

Time:

S.N	Name of the Student	Year / Group/Medium	Signature of the student	Remarks on Presentation
01	T. Ramya	mpcs	T. Ramya	Excellent
02	D. Manohar	mpcs	D. Manohar	Good
03	S. Rameel	mpcs	S. Rameel	Good
04	S. Althaf	mpcs	S. Althaf	Good
05	R. Abhilash	mpcs	R. Abhilash	Good
06	Nadhy Sagar	mpcs	N. Nadhy Sagar	Good
07	N. Charan Kothala	mpcs	N. Charan Kothala	Good
08	M.A. Kiran Kumar	mpcs	M. Kiran Kumar	Good
09	B. Sureth	mpcs	B. Sureth	Good
10	B. Siva Kumar	mpcs	B. Siva Kumar	Good
11	N. Gopinath	mpcs	N. Gopinath	Good
12	S. Anwar	mpcs	S. Anwar	Good
13	Mahesh Babu	mpcs	Mahesh Babu	Good
14	G. Chaitanya	mpcs	G. Chaitanya	Good
15	K. Varun	mpcs	K. Varun	Good
16	C. Vijay	mpcs	C. Vijay	Good
17	V. Anu	mpcs	V. Anu	Good
18	M. Anurag	mpcs	M. Anurag	Good
19	H.B.S. Bharath Kumar	mpcs	H.B.S. Bharath Kumar	Good
20	N.M. Ranga Suresh	mpcs	N.M. Ranga Suresh	Good
21	G. Vinod Kumar	mpcs	G. Vinod Kumar	Good
22	G. Manu Kumar	mpcs	G. Manu Kumar	Good
23	A. Pavan Kumar	mpcs	A. Pavan Kumar	Good
24	P. Anitha	mpcs	P. Anitha	Good



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Student Class Seminar

Year: 2022

1. Department: Hindi
2. Seminar by: S. Shashabali
3. Title of the Paper: Ref
4. Seminar on: unemployment
5. Year and Group: 2<sup>nd</sup> year mpcs(BSc)
6. No of Student attended: 17
7. Signature of the Student: S. Shashabali
8. Name of the Lecturer: Divakar Divyanshu

Sem: 3

Paper: III



5/5

Signature of the In-charge





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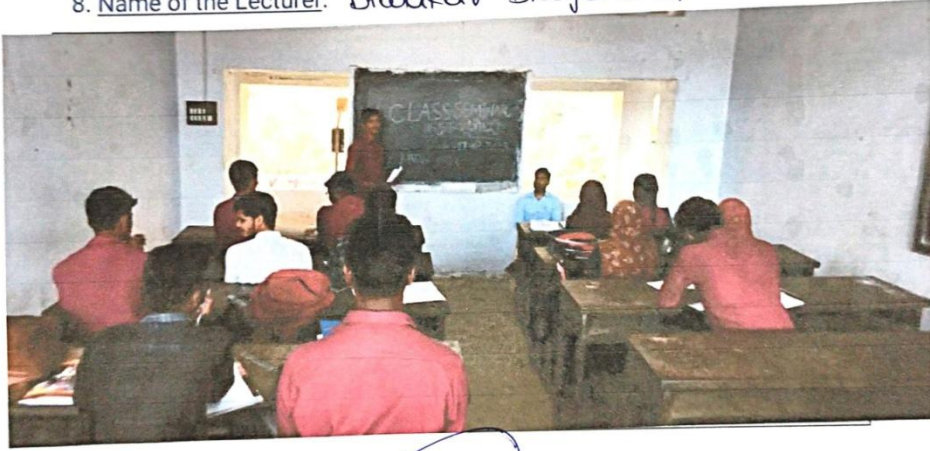


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Student Class Seminar

1. Department: HINDI Sem: Paper:
2. Seminar by: R. Ramanjaneyulu
3. Title of the Paper: (हिंदी काव्य दीप)
4. Seminar on: पश्चिम शिक्षा की प्रस्तुति
5. Year and Group: 2nd year 3rd sem MPCs
6. No of Student attended: 15
7. Signature of the Student: R. Ramanjaneyulu
8. Name of the Lecturer: Diwakar Diwanishu



5/5

*Diwakar*

Signature of the In-charge



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## पर्यावरण शिक्षा की प्रस्तावना

### ① पर्यावरण शिक्षा प्रस्तावना

पर्यावरण शिक्षा आज बहुत आवश्यक हो गया है, हमारी कल्पना की दुनिया को पर्यावरण बहुत तेजी से दूषित हो रहा है। ज्यादातर मानव गतिविधियों के कारण प्रदूषित होते हैं। जिससे वैश्विक तथा क्षेत्रीय दोनों स्तर पर प्रभावित होते हैं। ओजोन स्तर का पतला होना और ग्रीन हाउस गैस के उत्सर्जन में वृद्धि वैश्विक स्तर पर होने वाले नुकसानों के कारण हैं।

जैसे जल प्रदूषण, भूदा अपरदन, मानव गतिविधियों द्वारा रचित कुछ क्षेत्रीय परिणामों में से एक है और इसके द्वारा पर्यावरण को भी प्रभावित किया जाता है।

### ② पर्यावरण का अर्थ

पर्यावरण शब्द संस्कृत भाषा के 'परि' उपसर्ग और 'आवरण' से मिलकर बना है जिसका अर्थ है हमारे चारों ओर का समन्वय जो किसी व्यक्ति जीवधारी को चारों ओर से घेरे हुए है।

हिंदी शब्द पर्यावरण का 'परि' तथा 'आवरण' शब्दों का युग्म है। परि का अर्थ है

'परि' का अर्थ - 'चारों तरफ'।

आवरण का अर्थ - 'घेरा'।

अर्थात् प्रकृति में जो भी चारों ओर परिलक्षित है; पर्वत, पानी, भूदा, पेड़ तथा पौधे तथा प्राणी सभी पर्यावरण के अंग हैं।





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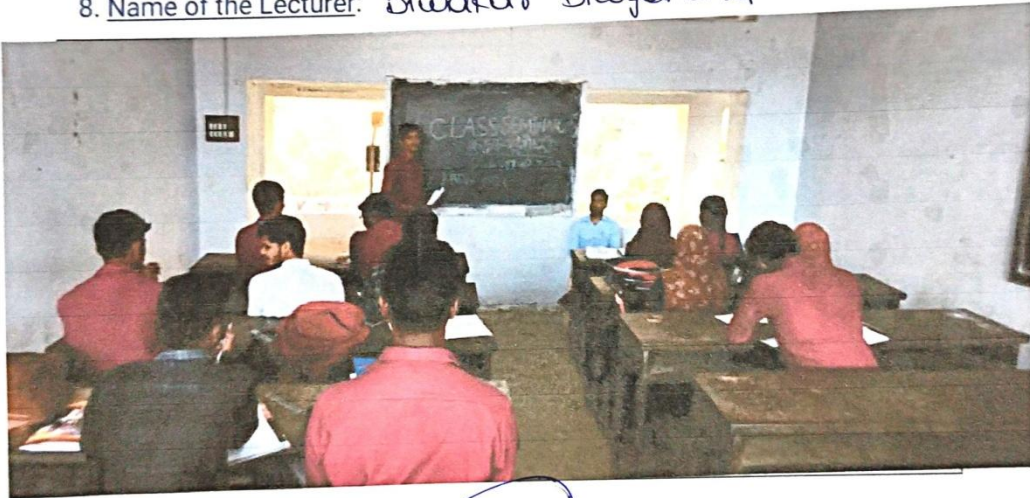


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Student Class Seminar

1. Department: HINDI Sem: Paper:  
2. Seminar by: R. Ramanjaneyulu  
3. Title of the Paper: हिंदी का खदीप  
4. Seminar on: पश्चिम शिक्षा की प्रस्तुति  
5. Year and Group: 2nd year 3rd sem MPLS  
6. No of Student attended: 15  
7. Signature of the Student: R. Ramanjaneyulu  
8. Name of the Lecturer: Diwakar Diwanshu



5/5

*Diwakar*

Signature of the In-charge



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GOVT \* DEGREE  
COLLEGE \* FOR MEN

NAME \* N. SUKANYA

SUBJECT \* HINDI

GROUP \* B.COM (CA)

SEMISTER \* SEMISTER 2

HALL TICKET No \* 21030203037

TOPIC \* 10m गंगाधर तिलक





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## निबंध का अर्थ :

निबंध शब्द 'नि+बंध' से बना है, जिसका अर्थ है अच्छी तरह से बँधा हुआ। इसकी भाषा विषय के अनुकूल होती है। निबंध की शक्ति है अच्छी भाषा। भाषा के अच्छे प्रयोग द्वारा ही भावों विचारों और अनुभवों को प्रभावशाली ढंग से व्यक्त किया जा सकता है।

## निबंध की परिभाषा :

बाबू गुलाबराय ने निबंध की परिभाषा में अनेक तत्वों का सम्मिश्रण करते हुए कहा है - "निबंध उस गद्य-श्रवण को कहते हैं, जिसमें एक सीमित आकार के भीतर किसी विषय का वर्णन या प्रतिपादन एक विशेष निजीपन, स्वच्छंदता, सौष्ठव और सजीवता तथा आवश्यक संगति और सम्वद्धता के साथ किया गया हो"।

आचार्य शुक्ल के अनुसार - "यदि गद्य कवियों को कसौटी है, तो निबंध गद्य की।"



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**GOVERNMENT DEGREE COLLEGE  
For MEN, KURNOOL DT.**

(Affiliated To Cluster University)

SEMESTAR SYSTEM

STUDENT SEMINAR

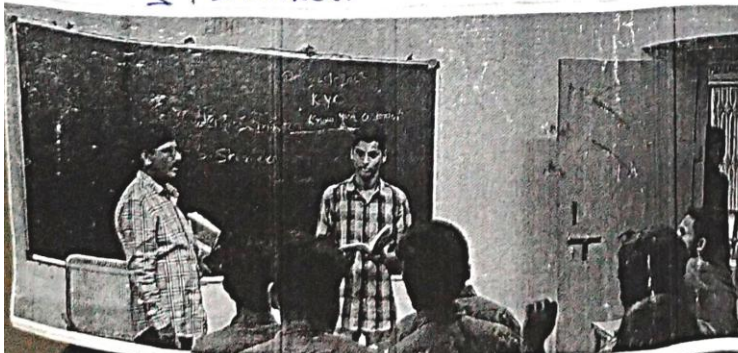
**PARTICULARS OF THE SEMINAR**

Department	Department of commerce
Semestar	Semester II
Date	23/9/2022
Group & Class	I B. Com (G)
Subject	Bank Theory Practice
Topic	What are types of Banks
Name of the student	S. Shameer
Hall Ticket No.	21030202037

**EVALUSTION**

Parameter	Maximum marks	Marks obtained
Information Provide		10
Presentation		5
Total		15

S. Shameer



Signature Of The Lecture





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What are types of Banks?

Types of Banks:

\* Bank can be classified into various types on the basis of their function, ownership, domicile etc.

i). on the basis of their function: types:

a). commercial Banks:

\* The banks which perform all kinds of Banking insurance and general finance trade and "commerce and called commercial banks". Since their deposits are for a short period these banks normally "Advance short term loan to the Businessman and traders. and avoid medium term and long term loans leading of the commercial Banks in India"

b). industrial Banks:

\* "Industrial Banks also know as investment banks" mainly to meet the "medium and long term financial needs" of the "industries. Such long term needs cannot be met by the commercial Banks. Banks which generally deal with short term lending"



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GOVERNMENT DEGREE COLLEGE

FORMEN KNL (DT)

(Affiliate to cluster University)

STUDENT SEMINAR

HALL TICKET No ÷ 21030202042

1.Department:- Commerce

2.student name :- Y. Komalakar

3.subject:- B. T. P

4: Topic [NABARD]

5.year and Group:- 1<sup>st</sup> B. Com. [G]

6.Semister :- II<sup>nd</sup>



Y. Komalakar  
Signature of student.

Signature of lecturer





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## NABARD

### Introduction

National Bank for agricultural and Rural development [NABARD] is an apex development bank of India, having head Quarters in Mumbai and other branches are all over the country. The committee to review arrangements for Institutional credit for agricultural and rural development set up by RBI, conceived and recommended the establishment of National Bank for agriculture and rural Development.



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**KURNOOL**

**KURNOOL DISTRICT, ANDHRA PRADESH**

**Student Class Seminar**

1. **Department:** COMMERCE      **Sem:** IV      **Date:** 12-09-2022
2. **Seminar by:** Ch. Ramesh
3. **Title of the Paper:** INCOME TAX
4. **Seminar on:** Incomes from Business and Profession
5. **Year and Group:** II YEAR B.COM (G)
6. **No of Student attended:** 27
7. **Signature of the Student:** *Ch. Ramesh*
8. **Name of the Lecturer:** Dr. K.BALASUBRAMANYAM

10  
10



*Ch. Ramesh*





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ప్రత్యక్ష పన్ను మరియు పరోక్ష పన్ను మధ్యగల వ్యత్యాసాలను తెలుపుకో?	
(ప్రత్యక్ష పన్ను మరియు పరోక్ష పన్ను వ్యత్యాసాలు :	
ప్రత్యక్ష పన్ను	పరోక్ష పన్ను
1. పన్ను విధించబడిన వ్యక్తిచే చెల్లించబడిన పన్నును ప్రత్యక్ష పన్ను అని అంటారు.	1. పన్ను చెల్లింపు కారుడు పరోక్షంగా చెల్లించే పన్నును పరోక్ష పన్ను అని అంటారు.
2. ఒక వ్యక్తిగత సంవత్సర ఆదాయం, సంపదపై ప్రత్యక్ష పన్ను, పరోక్ష పన్ను విధించబడుతుంది.	2. వస్తు సేవలను వినియోగించే వ్యక్తులపై, విధించబడుతుంది.
3. ప్రత్యక్ష పన్ను చెల్లింపు బాధ్యతను బదిలీ చేయలేము.	3. పరోక్ష పన్ను చెల్లింపు బాధ్యతను బదిలీ చేయవచ్చును.
4. పన్ను చెల్లింపు, ప్రభావం ఒక వ్యక్తిపై ఉంటుంది.	4. పన్ను చెల్లింపు, ప్రభావం అనేక వ్యక్తులపై ఉంటుంది.
5. పన్ను వసూలు వ్యవస్థ నిర్వహణగా తానెట్లా ప్రత్యక్ష పన్ను ఎగవేతకు అవకాశం ఉంటుంది.	5. వస్తు సేవలపై పన్ను విధించబడుట వలన పన్ను ఎగవేతకి అవకాశం ఉండదు.
6. ప్రత్యక్ష పన్ను, విడి వ్యక్తులు, HUF సభ్యులపై విధించబడును.	6. వస్తు సేవ వినియోగకారులపై పరోక్షంగా విధించబడుతుంది.
7. ప్రత్యక్ష పన్ను స్వీకారం ప్రతి క్రింది ఉంటుంది.	7. పరోక్ష పన్ను స్వీకారం ఆదాయ గమన ద్వారా ఉంటుంది.
8. ప్రత్యక్ష పన్ను ద్రవ్యోల్బల నాన్ని తగ్గించుటలో సహాయపడుతుంది.	8. పరోక్ష పన్ను వలన కొన్ని సమయాలలో ద్రవ్యోల్బలం పెరుగుతుంది.



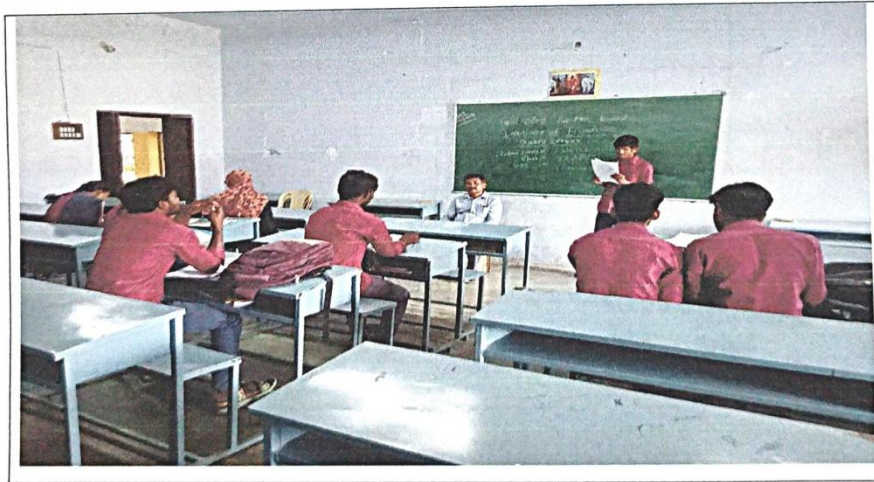
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Student Class Seminar

1. Department: OF ECONOMICS Sem: III (2021-22) Paper: 3
2. Seminar by: B. VIDAY KUMAR
3. Title of the Paper: DEVELOPMENT ECONOMICS
4. Seminar on: balanced growth strategy
5. Year and Group: II B.A III SEM E.M
6. No of Student attended: 18
7. Signature of the Student: B. VIDAY KUMAR
8. Name of the Lecturer: T. madanna



  
Signature of the In-charge





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Highlights of the Event:

II :- Modern Economic Growth

4) What are the features or characteristic features of developing economies?

A) Developing Economies :- A developing country is a sovereign state with a less developed industrial base and a low Human Development index (HDI) relative to other countries. They are highly populated and less industrialized nations. For example India, Pakistan, Sri Lanka, Somalia, etc. following are some of the basic common features of developing countries.

1. Low per capita income :- The per capita income of developing countries is very low as compared to developed countries, this means the average income per person in developing countries is very less and not sufficient to invest or to save. This is one of the most serious problems faced by underdeveloped countries. For example the per capita income of Luxembourg is \$US 1,31,800 is \$US 2116 as per IMF estimations.

Suggestions:

  
Signature of the In-charge



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**Students Attendance List**

Department: Economics

Sem: III

Paper: III

Title of the paper: Modern Economic growth

Time:

S.N	Name of the Student	Year / Group/Medium	Signature of the student	Remarks on Presentation
1.	C. Pandurangaiah	II B.A	P. Pandurangaiah	good
2.	R. Suresh	"	R. Suresh	good
3.	B. Hanikrishna	II B.A	B. Hanikrishna	v. good
4.	K. Balaji	"	K. Balaji	nice
5.	B. Venk	II B.A	B. Venk	nice, good
6.	M. Venkatesh	II B.A	M. Venkatesh	good
7.	B. Vidya Keesari	"	B. Vidya Keesari	"
8.	A. Anjanah	"	A. Anjanah	good
9.	O. Karthik	III B.A	O. Karthik	nice
10.	S. Pragasath	"	S. Pragasath	good
11.	P. Mounika	"	P. Mounika	good
12.	N. Naveen	"	N. Naveen	good
13.	N. Naveen	"	N. Naveen	excellent
14.	P. Chintu	II B.A	P. Chintu	good
15.	P. Lakshmana	II B.A	P. Lakshmana	good
16.	R. Saikumar	II B.A	R. Saikumar	good
17.	N. Naveenkumar	"	N. Naveenkumar	good
18.	B. prasanna	II B.A	B. prasanna	good
19.	P. madakka	II B.A	P. madakka	good
20.	P. Arjuna	II B.A	P. Arjuna	good
21.	Y. Raghavendra	II B.A	Y. Raghavendra	good
22.	J. Suneel	II B.A	J. Suneel	good
23.	N. Naveen Kumar	II B.A	N. Naveen	good
24.	A. Anjanah	II B.A	A. Anjanah	good





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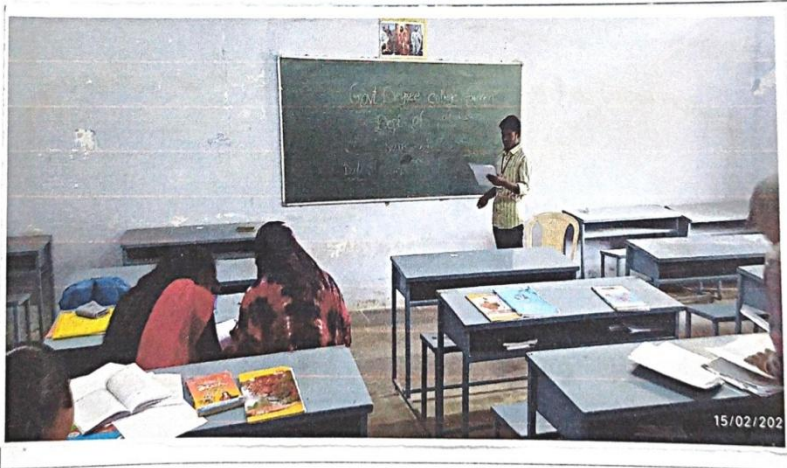



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KURNOOL DISTRICT, ANDHRA PRADESH

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Student Class Seminar

1. Department: Economics Sem: III (2021-22) Paper: III
2. Seminar by: B. Thippaiah
3. Title of the Paper: Modern Economic growth
4. Seminar on: Characteristic features of developing economies
5. Year and Group: II year B.A (H.E.P)
6. No of Student attended:
7. Signature of the Student: B. Thippaiah
8. Name of the Lecturer: T. Madanra (sir)



  
Signature of the In-charge



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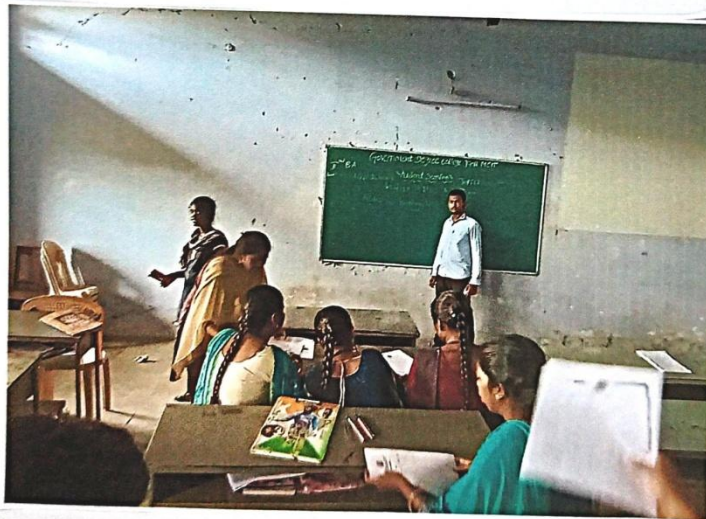


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KURNOOL  
KURNOOL DISTRICT, ANDHRA PRADESH**

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Economics Student Class Seminar

1. Department: ~~Andhra Economy~~ Sem: 2021-22 Paper:
2. Seminar by: D. Rani Kumar
3. Title of the Paper: India 25 A Developing Economy
4. Seminar on: India 25 A developing Economy Andhra Economy
5. Year and Group: B.A & EIM H-E-P
6. No of Student attended: 24
7. Signature of the Student: D. Rani Kumar
8. Name of the Lecturer: T. Madanna Hall No: 2010002034



  
Signature of the In-charge





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## INDIA IS A DEVELOPING ECONOMY

"Basic characteristics of India as a developing Economy."

### LOW PER-CAPITA INCOME :-

Per capita income in India is very low. The per-capita income of Switzerland, West Germany, U.S.A, Japan greater than the per-capita income of India.

### IMPORTANCE OF PRIMARY PRODUCTION:-

Agriculture occupies the most important place in the Indian Economy. About half of the total working population is employed in agriculture.

Before economic planning, agriculture contributed more than 50% to the national income.

### POPULATION PRESSURE:-

The rate of population growth is also very high. The death rate declined due to improved medical facilities etc. while the birth rate did not decline correspondingly. This caused population explosion.

### UNEMPLOYMENT AND UNDEREMPLOYMENT:-

Unemployment and underemployment is another feature of Indian Economy. The actual unemployment might be much more than this. In addition to unemployment there is large scale underemployment.





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## Students Attendance List

Department:

Sem:

paper:

Title of the paper:

Time:

S.N	Name of the Student	Year / Group/Medium	Signature of the student	Remarks on Presentation
1	B. Sai Kumar	II <sup>nd</sup> B.A E/M	B. Sai Kumar	very good
2	P. Tharun Kumar	II <sup>nd</sup> B.A E/M	P. Tharun	good
3	U. Govindu	II <sup>nd</sup> B.A E/M	U. Govindu	good
4	B. Saravathi	II <sup>nd</sup> B.A E/M	B. Saravathi	Good
5	S. Lalitha	II <sup>nd</sup> B.A E/M	S. Lalitha	Good
6	HDP. Bhanuprasad	"	HDP. Bhanuprasad	good
7	B. Sai ram	E/M	B. Sai ram	v. good
8	M. Vinod	E/M	M. Vinod	v. good
9	D. Dharmayya	E/M	D. Dharmayya	v. good
10	S. Sai Prasad	E/M	S. Sai Prasad	very good
11	K. Sankar Rao	II B.A (M)	K. Sankar Rao	Very good
12	P. Subhash	II B.A	P. Subhash	good
13	U. Govindu	II B.A	U. Govindu	good
14	M. Thiriveni	II B.A E/M	M. Thiriveni	Good
15	N. Maheswari	II B.A E/M	N. Maheswari	v. good
16	M. Subashini	II B.A E/M	M. Subashini	Excellent
17	G. Mahendrakumar	II B.A E/M	G. Mahendrakumar	Excellent
18	C. Madhu Mohan	II B.A E/M	C. Madhu Mohan	Good
19	Y. Madhusankar	II B.A E/M	Y. Madhusankar	Good
20	Thirupathi Prasad	"	Thirupathi Prasad	v. good
21	A. Nithin Reddy	"	A. Nithin Reddy	Excellent
22	S. Lalitha	II B.A E/M	S. Lalitha	v. good
23	U. Nagendra	II B.A E/M	U. Nagendra	Excellent
24	K. Parvath	II B.A E/M	K. Parvath	v. good

*Handwritten signature*





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## GOVERNMENT DEGREE COLLEGE

### For MEN, KURNOOL DT.

(Affiliated to Cluster University)

STUDENT SEMINAR

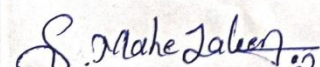
2021-22

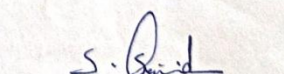
#### PARTICULARS OF THE SEMINAR

Department	BOTANY
Date	
Group & Class	II BSc- Biotech
Subject	Botany
Topic	Biodiversity - Hotspots - North Eastern Malaya
Name of the student	S. Mahe Babcen
Hall Ticket No.	21030309008

#### Evaluation

Parameter	Maximum marks	Marks Obtained
Information Provide	05	05
Presentation	05	05
Total	10	10

  
Signature of the student

  
Signature of the lecturer





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## Biodiversity Hotspots

①

### The North-Eastern Himalayas :-

This article gives information about the North-Eastern Himalayas including Darjeeling Himalayas, Sikkim Himalayas, Assam Himalayas, and the Eastern Hills.

#### Introduction:-

The Eastern Himalayas are classified into five climate zones: arctic, Subarctic, temperate, Subtropical and mild tropical. The woods are lush, thick, Evergreen, Semi-Evergreen, as moderate in climate. Precipitation is quite high, and the woodland environment is extremely humid.

The temperate mixed woods may be found up to 3000m in elevation, followed by the alpine forests, which are mostly made up of fir, juniper and shondendron. slow loris, rhinoceros, golden langur, tiger, Indian Civet, clouded leopard, and golden cat are among the species and birds that call this area home. Among the birds are a heron a white-winged wood duck, and a snow cock

### Darjeeling Himalayas and Sikkim Himalayas:-

\* They are bordered on the west by the Nepal Himalayas and East by the Bhutan Eastern Himalayas

\* It is a mountainous region with high Peaks such as Kanchenjunga and deep Valleys

\* The Lepcha tribes live in the region's higher elevations.





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## GOVERNMENT DEGREE COLLEGE

### For MEN, KURNOOL DT.

(Affiliated to Cluster University)

STUDENT SEMINAR

2021-22

#### PARTICULARS OF THE SEMINAR

Department	Botany
Date	
Group & Class	11 <sup>th</sup> Bt.R.C - Sem-III
Subject	Botany
Topic	Light reaction
Name of the student	S. Huma Tazjibai
Hall Ticket No.	21030309007

#### Evaluation

Parameter	Maximum marks	Marks Obtained
Information Provide	05	05
Presentation	05	05
Total	10	10

S. Huma Tazjibai  
Signature of the student

S. Agid  
Signature of the lecturer





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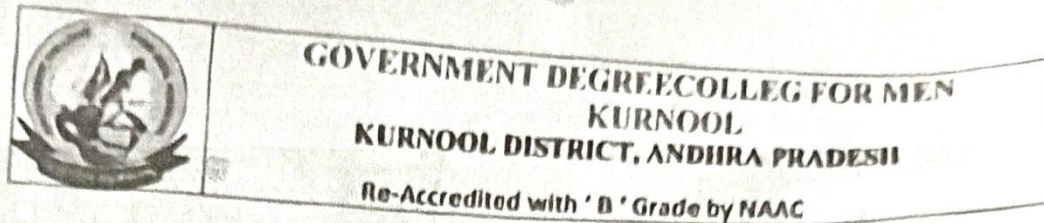
## \* Light factor \*

Light is one of the most vital and Essential abiotic Ecological factor without which no life can exist. The chief natural Source of Light are Sunlight, moonlight, Starlight and the light from light producing / Luminescent Organisms, only sunlight has greatest Ecological Significance being the primary Source of Energy in nearly all Ecosystems. The Entire food chain starts with Organisms that are photosynthetic would perish, not just the plants. Light differs from the temperature factors in that while light is highly directional heat often reaches the living Organism from many different directions at the same time. Light is also Extremely variable. Ecologically Variations in the quality of Light the intensity of Light and the duration of Light are known to influence different Ecosystems.





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- Student Class Seminar
3. Department: - Biotechnology      Semr ~ hi      Paper: I
4. Seminar by: A. Mahalakshmi
3. Title of the Paper: Concepts in Immune System
4. Seminar on: Antigen
5. Year and Group: 1<sup>st</sup> Bndyear Biotechnology
6. No of Student attended: 11
7. Signature of the Student: A. Mahalakshmi
8. Name of the Lecturer: S. Ebenezer.



*[Signature]*  
Signature of the In-charge





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Student Class Seminar

3. Department: BSc-BioTechnology Sem 3 Paper: 3  
4. Seminar by: P. Venkateshwaru  
3. Title of the Paper: Immunology, Recombinant DNA Technology, Bioinformatics  
4. Seminar on: Antibodies  
5. Year and Group: I B RORR and BioTechnology  
6. No of Student attended: 11  
7. Signature of the Student: P. Venkateshwaru  
8. Name of the Lecturer: Ebenezer

05/08



*G. Dindya*  
Signature of the In-charge





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Seminar Topic

3rd Semester

Name: P. Venkateshwaru GROUP: BSc-BioTechnology

## Classification of Antibodies.

Antibodies are Proteins against antigens, antibody (Ab) is also known as Immunglobulin (Ig). These are large, Y-shaped soluble proteins produced by plasma cells. They bind to foreign particles and invade them. These particles are foreign bodies that get attacked by antibody. Antigens are foreign pathogen invade body capability give rise to resistance our Immunity system.

Hence, Antigens stimulate the Production of Antibodies by the Immune system.

Proteins Produced by the basic structure of Immunglobulins are made up of polypeptide chains. Each light is made up of 200 amino acids having molecular weight of 25,000 daltons. Each heavy chain is made up of 450 amino acids having molecular weight of 50,000 daltons.

## Antibody structure:-

The N-terminus of each heavy chain forms an antigen binding domain with light chain. These are the antigen binding domains forming with arms of Y-shape. They are known as antigen binding (Fab) domains.

The C-terminus of the heavy chains forms segment crystallization Fc domain helps in interaction with effector cells. All four polypeptide units held together by disulfide bonds.

The heavy chains of the antibodies contain a variable region and three constant regions.



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## **Study Projects**





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DEPARTMENT OF COMPUTER SCIENCE  
GOVERNMENT COLLEGE FOR MEN  
KURNOOL  
BONAFIDE CERTIFICATE




This is to certify that this is the Bonafide Project work done by the candidate under my supervision


NAME	REG.NO
MAHAMMAD MUZAMMIL	19360002072
K.SHARATH KUMAR	19360002016
M.KALYAN	19360002023
S.MADHU SEKHAR	19360002086
K.ABDUL RAHIM	19360002015

  
\_\_\_\_\_

Project Guide

  
\_\_\_\_\_

HEAD OF DEPARTMENT

  
\_\_\_\_\_  
Signature if the External Examiner

Place:

Date:



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**TOUCH SCREEN TECHNOLOGY**

PROJECT REPORT SUBMITTED IN PARTIAL FULFILLMENT FOR THE AWARD OF  
THE DEGREE OF  
BACHELOR OF SCIENCE  
IN  
COMPUTER SCIENCE

BY

NAME	REG.NO
MAHAMMAD MUZAMMIL	19360002072
K.SHARATH KUMAR	19360002016
M.KALYAN	19360002023
S.MADHU SEKHAR	19360002086
K.ABDUL RAHIM	19360002015

UNDER THE GUIDANCE OF  
M.SUNIL KUMAR REDDY ,M.Tech(NIT)  
LECTURER IN COMPUTER SCIENCE  
DEPARTMENT OF COMPUTER SCIENCE



GOVERNMENT COLLEGE FOR MEN  
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KURNOOL

(AFFILIATED TO RAYALASEEMA UNIVERSITY ,KURNOOL)

(2019-2022)





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GOVERNMENT COLLEGE FOR MEN  
KURNOOL

BONAFIDE CERTIFICATE



This is to certify that this is the Bonafide Project work done by the candidate  
under my supervision

NAME

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K.CHANDU KIRAN

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M.SAI KUMAR

19360002075

B.BHASKAR REDDY

19360002050

P.LOKESH NAIK

19360002078

L.KASI NAIK

19360002091

  
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Signature of the External Examiner

Place:

Date:



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**ADDRESS BOOK MANAGEMENT SYSTEM**

PROJECT REPORT SUBMITTED IN PARTIAL FULFILLMENT FOR THE AWARD OF

THE DEGREE OF  
BACHELOR OF SCIENCE

IN  
COMPUTER SCIENCE

BY

NAME

REG.NO

K.CHANDU KIRAN

19360002014

M.SAI KUMAR

19360002075

B.BHASKAR REDDY

19360002050

P.LOKESH NAIK

19360002078

L.KASI NAIK

19360002091

UNDER THE GUIDANCE OF

M.SUNIL KUMAR REDDY ,M.Tech(NIT)

LECTURER IN COMPUTER SCIENCE

DEPARTMENT OF COMPUTER SCIENCE



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KURNOOL

(AFFILIATED TO RAYALASEEMA UNIVERSITY ,KURNOOL.)

(2019-2022)





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- 1.introduction**
- 2.Dataset Description**
- 3.Proposed methodology**
- 4.Data collection**
- 5.Data processing**
- 6.Genarating training and dataset**
- 7.data analysis**
- 8.prediction of movie aduince score**
- 9.Conclusion**
- 10.Project R code**



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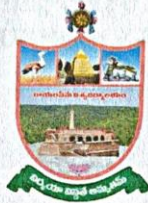
(2019-2022)

DEPARTMENT OF COMPUTER SCIENCE

GOVERNMENT COLLEGE FOR MEN

KURNOOL

BONAFIDE CERTIFICATE



This is to certify that this is the Bonafied Project work done by the  
candidate under my supervision

S. VIJAY

NO:19360002034

E.UPENDRA GOUD

NO:19360002055

J.RAMESH

NO:19360002013

-----  
Project Guide

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HEAD OF DEPARTMENT

-----  
Signature if the External Examiner

Place:

Date:





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**Movie Success Prediction using Data Mining**

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THE DEGREE OF  
**BACHELOR OF SCIENCE**

IN  
**COMPUTER SCIENCE**

BY

**S.VIJAY** NO:19360002034

**E .UPENDRA GOUD** NO: 19360002055

**J.RAMESH** NO:19360002013

UNDER THE GUIDANCE OF

**D.MEENAKSHI M.Tech(NIT)**

**LECTURER IN COMPUTER SCIENCE**

**DEPARTMENT OF COMPUTER SCIENCE**



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## Government Degree College for Men Kurnool

### PROJECT WORK

Name :- B. Ruchiha

Group :- B.Com (C.A) I year

Subject :- Hindi

Date :- 2021-2022

Topic :- "गौतम बुद्ध"



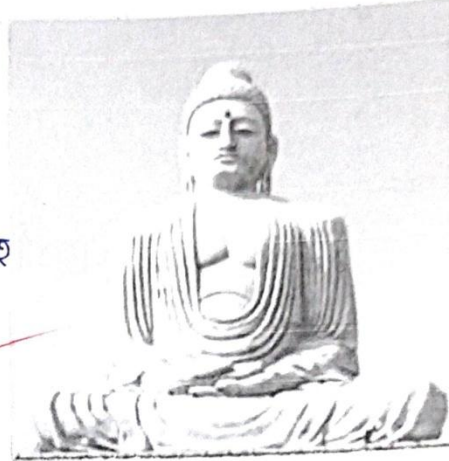


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## गौतम बुद्ध

जन्म :- ईसवी पूर्व 563  
निधन :- ईसवी पूर्व 483  
जीवनसाथी :- राजकुमारी यश  
बच्चे :- राहुल  
पिता :- शुद्धोधन  
माता :- मायादेवी



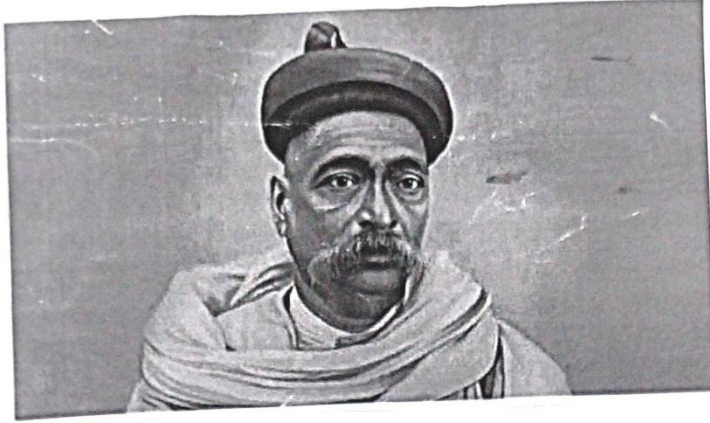
इनका जन्म लुंबिनी में 563 ईसा पूर्व इक्ष्वाकु वंशीय क्षत्रीय शाक्य कुल के राजा शुद्धोधन के घर में हुआ था। उनकी माँ का नाम महामाया था जो कोलीय वंश से थी, जिनका इनके जन्म के सात दिन बाद निधन हुआ, 29 वर्ष की आयु में सिद्धार्थ विवहोपरान्त एक मात्र प्रथम नवजात शिशु राहुल और धर्मपत्नी यशोधरा को त्यागकर संसार को जरा, मरण, दुखों से मुक्ति दिलाने के मार्ग एवं सत्य दिन ज्ञान की खोज में रात्रि में राजपाठ का मोह त्यागकर वन की ओर चला गया। वर्षों की कठोर साधार के पश्चात् बोध गया में बोधि के नीचे उन्हें ज्ञान की प्राप्ति हुई और वे सिद्धार्थ गौतम से भगवान बुद्ध बन गए।

उनका जन्म 563 ईसवी पूर्व के बीच शाक्य गणराज्य की तत्कालीन राजधानी कपिलवस्तु



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पुत्र नाम : लोकमान्य बाल गंगाधर तिलक

जन्म : 23 जुलाई 1858

जन्म स्थिति : रत्नासिद्धि महाशय

मृत्यु : 1 अगस्त, 1920

मृत्यु स्थान : बंबई (वर्तमान मुंबई) महाशय

अधिभाषक : श्री गंगाधर यमचंद्र तिलक

नागरिकता : भारतीय

पार्टी : कांग्रेस

शिक्षा : स्नातक वकालत

विद्यालय : वेल्ह कांलेज बंबई (वर्तमान विद्यालय)

भाषा : हिंदी, संस्कृत, मराठी, अंग्रेजी

जेल यात्रा : बल्लोह का मुकदमे में काशी

पुस्तक : लोकमान्य

विशेष : इंडियन होमरूल लीग की स्थापना। वेल्ह





# GOVERNMENT COLLEGE FOR MEN, KURNOOL

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## Government Degree College for Men. Hindi Project.

Name : R. Divamanik.

Subject : Hindi - हिन्दी.

Group : B.Com [C.A].

Hall Ticket No: 21030203048.

Topic : निबंध का अर्थ, परिभाषा,  
उद्देश्य.



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## पुस्तकालय

पुस्तकालय वह स्थान है जहाँ विविध प्रकार के ज्ञान, सूचनाओं, सोचों, सेवाओं आदि का संग्रह रखा है। पुस्तकालय शब्द अंग्रेजी के लाइब्रेरी शब्द का हिंदी रूपान्तर है। लाइब्रेरी शब्द की उत्पत्ति लैटिन शब्द लाइवर हुई है, जिसका अर्थ है पुस्तक। पुस्तकालय का इतिहास लेखन प्रणाली पुस्तकों और इस्लावेज के स्वरूप को संरक्षित रखने की प्रयत्नियों और प्रणालियों से जुड़ा है।

पुस्तकालय पड़ शब्द दो शब्दों से मिलकर बना है। पुस्तकालय उस स्थान को कहते हैं जहाँ पर अध्यापन सामग्री (पुस्तकें, फिल्म, पत्रपत्रिकाएँ, मानचित्र, इस्तलिखित ग्रंथ, ग्रामोफोन रेकार्ड्स एवं पठनीय सामग्री) संग्रहीत रखी है। इस सामग्री की सुरक्षा की जाती है। पुस्तकों से चोरी आलमारी अथवा पुस्तक विक्रेता के पास पुस्तकों का संग्रह पुस्तकालय नहीं कहलाता क्योंकि वहाँ

पर पुस्तक व्यवसायिकाएँ हैं।





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**Government College for Men, Kurnool**  
**Department of Hindi**

**Student Study Project Work**

**Title of the Project :** एच.आई.वी./एड्स : रोकथाम एवं निवारण

**Name of the Group:** II B.Sc. MPCs, MSCs, MPC, MZC

SEM-III ~~NOV~~ JAN 2022- APR 2022

**Student Names:**

1. Chk. Sanjay
2. S.Sindhuri
3. P.Somavishwanath
4. S.Mahaboob Basha
5. E. Jayasurya
6. S.Riyaz Sameer

**Submitted to : Dr.Diwakar Divya Divyanshu**

**Lecturer in Hindi**



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## पर्यावरण और प्रदूषण

**पर्यावरण :-** पृथ्वी पर स्थित और तथा अद्वैत पदार्थों के सहसम्बन्धों को पर्यावरण कहा जाता है, अर्थात् हमारे चारों ओर के वायु मंडल, जल स्रोतों/अंगार, पेड़-पौधों, पशु-पक्षियों और शून्य जीवाणुओं के समूह को पर्यावरण कहा जाता है,

**पर्यावरण - संतुलन :-** जैविक तथा अजैविक पदार्थों के बीच संतुलन को पर्यावरण-संतुलन कहा जाता है, आजकल पर्यावरण-प्रदूषण के कारण यह संतुलन बिगड़ रहा है,

**पर्यावरण - प्रदूषण :-** जल, धूल, वायु ध्वनि और किरणों से अवांछित एवं हानिकारक पदार्थों को आवेकता को प्रदूषण कहते हैं,

**पर्यावरण - संतुलन के बिगड़ने / पर्यावरण - प्रदूषण के कारक :-**  
नदियों को रोककर विशाल बाँध-बनाना,  
माखों, मक्खों, अंगारों का काट जाना,  
कोयला, पेट्रोल तथा धातुओं के लिए जमीन की बेरहमी से काट जाना,  
बड़े-बड़े कारखानों का निर्माण,  
शहरों का विस्तार,  
बढ़ती जनसंख्या के अनुसार इसके लिए आवश्यक वस्तुओं का उत्पादन बढ़ाना,  
ऊँचा के लिए कोयला तथा अन्य ईंधनों का जलाना,





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**Government College for Men ,Kurnool**  
**Department of Hindi**

**Student Study Project Work**

Title of the Project: 'पर्यावरण और प्रदूषण'

Name of the Group: II-B.A. (HEP) & B.COM (CA&GEN)

SEM-III JAN 2022-APR 2022

- Student Names:
1. B.Anitha
  2. R.Maneesha
  3. K.Ramakanth
  4. R. Chandrashekhar
  5. R. Vineeth Rathod
  6. D. Ravi Kumar
  7. D. Abdul Rahim Basha
  8. E. Ganesh Goud

Submitted to : Dr.Diwakar Divya Divyanshu  
Lecturer in Hindi



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## प्रारंभिक जीवन :-

मदर टेरेसा का जन्म 26 अगस्त 1910 को मेसीडोनिया में हुआ था। इनका पिता निकोला बोयार्ज फ्त। साधारण व्यवसायी थे। मदर टेरेसा का वास्तविक नाम — अगनेस गोंझा बोयार्जिज था। अल्बेनियन भाषा में गोंझा का अर्थ फूल की बनी होता है। जब वह मात्र आठ साल की थीं उनके पिता का निधन हो गया, जिसके बाद इनके लालन-पालन की सारी जिम्मेदारी इनकी माता द्वारा बोयार्ज के ऊपर आ गयी। यह पांच भाई-बहनों में सबसे छोटी थीं। यह मक सुन्दर, अध्ययनशील एवं परिश्रमी लड़की थीं। पढ़ाई के साथ-साथ, गाना रूढ़े बहव पसंद था। ऐसा माना जाता है की जब यह मात्र बारह साल की थीं तभी इहे ये अनुभव हो गया था कि वो अपना सारा जीवन मानव सेवा में लगायेंगी और 18 साल की





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स्वामी विवेकानन्द



स्वामी विवेकानन्द शिकागो (1893) में

जन्म : नरेन्द्रनाथ दत्त  
12 जनवरी 1863  
~~कलकत्ता~~

मृत्यु : 4 जुलाई 1902  
बेलूर मठ, बंगाल प्रियासत,  
ब्रिटिश राज

गुरु : श्री रामकृष्ण परमहंस

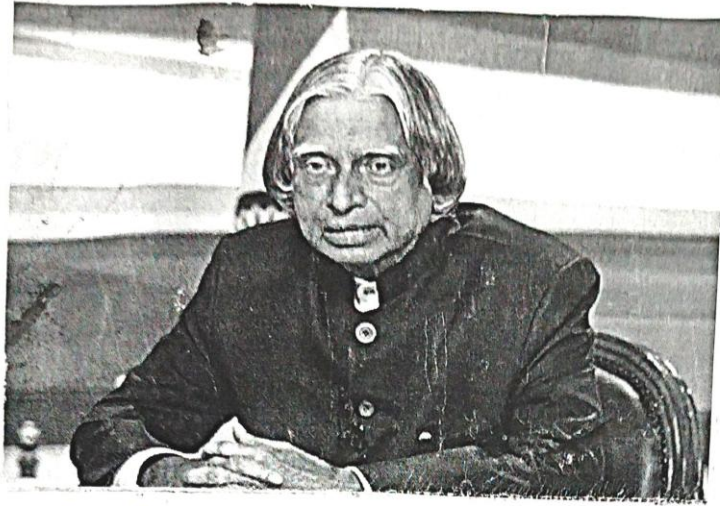
दृष्टि : आधुनिक वेदांत, राज योग



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## भारत के वैज्ञानिक



ए.पी. जे. अब्दुल कलाम जी, का जन्म 15 अक्टूबर 1931 को तमिलनाडु के छोटे से गाँव में वे अपने सशुक्र परिवार के साथ रहते थे। उनके परिवार की आर्थिक स्थिति ठीक नहीं थी। उनके पिता मद्युआरी को नाव किराए पर देते थे तथा उनकी माता गृहिणी थीं। ए. पी. जे. अब्दुल कलाम साहब ने अपनी शिक्षा का आरम्भ शमैच्चरम के एक प्राथमिक विद्यालय से किया। कलाम साहब ने अपनी पढ़ाई पूरी करने व घर की आर्थिक सहायता हेतु अखबार बेचने का कार्य आरम्भ किया।

ए. पी. जे. अब्दुल कलाम ने बारहवीं शमनाथपुरम में स्थित स्चवार्त्ज मैट्रिकुलेशन स्कूल (Schwartz higher secondary school) में सम्पन्न की। तत्पश्चात उन्होंने स्नातक की उपाधि (Bachelor degree) प्राप्त करने हेतु सेंट जोसफ कॉलेज में दाखिला लिया जो तिरुचिरापल्ली में स्थित है।





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**Government College for Men ,Kurnool**

**Department of Hindi**

**Student Study Project Work**

**Title of the Project: 'भारत के महान व्यक्तित्व'**

**Name of the Group: I-B.Sc MPC,MZC,MSCS,**

**SEM-III JAN 2022 - APR 2022**

**Student Names: 1. P. Nasreen Bhanu**  
**2. R. Jessica Raj**  
**3. Ch. Anusha**

**Submitted to : Dr.Diwakar Divya Divyanshu**  
**Lecturer in Hindi**



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## Project Work

Department of Economics

Govt College For Men

Subject Names : Economics

Student Names : P Subhach

Class : BA I year

Topic : Quantity Theory of Money

Hall Ticket No : 20110002082





# GOVERNMENT COLLEGE FOR MEN, KURNOOL

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Critically Evaluate The Quantity Theory of Money?

Introduction :-

The Transaction Version of the Quantity Theory of Money was provided by the American economist Irving Fisher. In this book, he discussed the purchasing power of money (1911). According to Fisher, other things remaining unchanged, as the quantity of money in circulation increases, the price level also increases in direct proportion and the value of money decreases and vice versa.

Fisher's Quantity Theory will be explained with the help of the following equation.

$$MV = PT$$

(or)

$$P = \frac{MT}{T}$$

M = Total quantity of legal tender money  
V = the velocity of circulation of M  
P = price level and  $1/P$  = value of currency  
T = Total Amount of goods and services.



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CLUSTER UNIVERSITY  
Govt. College for Men, KNL

Govt degree college for Men

Dept. of Economics

Project Work

Name :- P V. Siva Kumar

Year :- 1st Year

Sem :- 2nd sem

Group :- B.A (H.E.P)

Topic :- functions of commercial Banks.





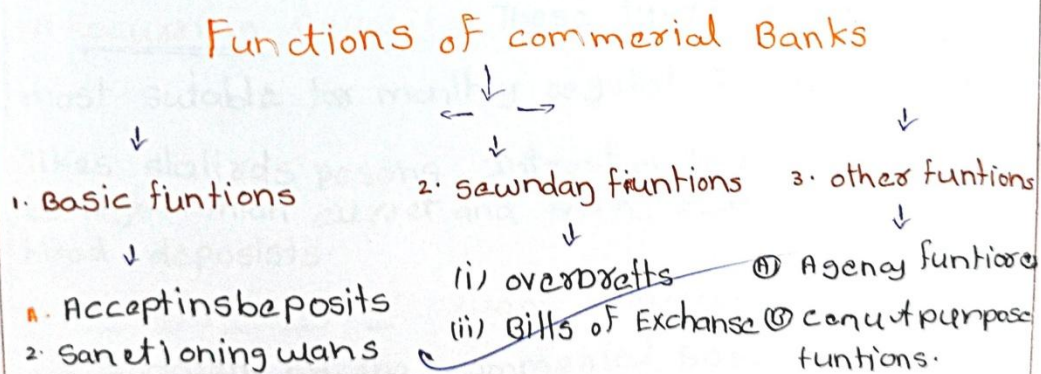
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## What are the functions of commercial Banks?

commercial Banks:- commercial bank is a financial institution that operates with the objective of profit. the commercial bank is a type of bank. If commercial banks is a type of bank. If a bank accepts deposits, provides, business loans, and provides basic Investment for various production activities.

Functions of commercial banks:- Broadly, the functions of the commercial banks can be shown in the following chart



① Basic functions of commercial Banks:- various types of deposits accepted by commercial are as following.

1. Current Account Deposits or Demand deposits:- deposits in this account are required to be withdrawn immediately after the customer request such deposits.



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Doctors' Colony, B-Camp, Kurnool – 518002, Andhra Pradesh.

STUDENT  
STUDY  
PROJECT

2021 - 2022

$\frac{5}{5}$  Good

G. Ramesh

By.  
P. Vamsi  
B. Karunakar  
A. Ashok





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## YELLOW FEVER

Yellow fever is an acute viral haemorrhagic disease transmitted by infected mosquitoes. The "yellow" in the name refers to the jaundice that affects some patients.

Symptoms of yellow fever include fever, headache, jaundice, muscle pain, nausea, vomiting & fatigue.

A small proportion of patients who contract the virus develop severe symptoms & approximately half of those die within 7 to 10 days.

The virus is endemic in tropical areas of Africa & central & South America.

Large epidemics of yellow fever occur when infected people introduce the virus into heavily populated areas with high mosquito density & where most people have little or no immunity, due to lack of vaccination.



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Department of Biotechnology  
Govt. Degree College for Men Kurnool  
Student study project work.

1. Title of the project: Monkey pox
2. Name of the group: I<sup>st</sup> B.S. & Biotechnology (sem-II)

2021 - 2022



G. Kumar

Good

Submitted to  
Department of Biotechnology  
A. Mahalakshmi  
V. Sujatha  
S. Mahe Zabeen  
S. Husna Tayyiba





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Doctors' Colony, B-Camp, Kurnool – 518002, Andhra Pradesh.

Department of Biotechnology  
Govt. Degree College for Men Kurnool  
Student study project work.

1. Title of the project:- Monkey pox
2. Name of the group:- I<sup>st</sup> B.S. & Biotechnology (sem-II)

2021 - 2022

G. Ramesh

Submitted to  
Department of Biotechnology  
A. Mahalakshmi  
V. Sujatha  
S. Mahe Zabeen  
S. Husna Tayyiba



# **GOVERNMENT COLLEGE FOR MEN, KURNOOL**

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## **CCE-LMS web Links**

**<https://ccelms.ap.gov.in/rusa/user/gpapers>**

### **Additional Resources Prepared by the Faculty**

#### **Youtube Video Lessons**

**<https://ccelms.ap.gov.in/rusa/additional-resources>**

## **Student Dashboard in CCE website**

Dear Student, scroll down and select the subject to view the content in the chosen subject. The e-content material prepared by your college lecturers. Make use of these e-content materials and prepare yourself.

**<http://www.apcce.gov.in/Stu.Pre>**





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## **NPTEL online Courses Details link**

[https://docs.google.com/spreadsheets/d/e/2PACX-1vRpWQODPgQ8ahJl9xWYgU6RgHGIhA9nEVLICGFbSiA629gtXontSZ6dfTWfQOlq2TbG\\_4Q5b3Nt5f3/pubhtml](https://docs.google.com/spreadsheets/d/e/2PACX-1vRpWQODPgQ8ahJl9xWYgU6RgHGIhA9nEVLICGFbSiA629gtXontSZ6dfTWfQOlq2TbG_4Q5b3Nt5f3/pubhtml)



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Constituent College to Cluster University, Kurnool(w.e.f 2021-22)  
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# **Assessing the learning levels of the students and organizes special Programmes for Slow learners**

## **Remedial Coaching**





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Constituent College to Cluster University, Kurnool(w.e.f 2021-22)  
Doctors' Colony, B-Camp, Kurnool – 518002, Andhra Pradesh.

REMEDIAL COACHING-2020-21-I. B.COM (G) . SEMESTER-II  
FINANCIAL ACCOUNTING-2-C1201A- 2020-21

S.L. NO.	NAME OF THE STUDENT	ROLL NUMBER	INTERNAL MARKS / GRADE BEFORE REMEDIAL COACHING	EXTERNAL GRADE BEFORE REMEDIAL COACHING	NO. OF CLASSES TAKEN	NO. OF CLASSES ATTENDED BY THE STUDENT	GRADE AFTER REMEDIAL COACHING	% OF IMPROVEMENT	RE MARKS
1.	S.JANAKI RAMUDU	20232002009	03 - FAIL	AB	12	09	P	50	
2.	M.KAVITHA	20232002010	01 - FAIL	NOT APP.	12	11	P	40	
3.	T.SIVAKUMAR	20232002028	02 - FAIL	AIL	12	08	P	35	
4.	Y.SRAVANI	20232002031	05 - FAIL	NOT APP.	12	11	P	35	
5.	P.SUDHAKAR	20232002032	04 - FAIL	FAIL	12	AB	AB	AB	
6.	S.UMAR	20232002035	02 - FAIL	FAIL	12	9	P	50	

RESULT ANALYSIS

NO. APP	NO. PASS	FAIL	ABSENT	PASS %	O GRADE	A+ GRADE	A GRADE	B+ GRADE	B GRADE	C GRADE	D GRADE	NOT APP	TOTAL
6	4		2	67					2	2		2	6



# GOVERNMENT COLLEGE FOR MEN, KURNOOL

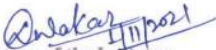
(Affiliated to Rayalaseema University, Kurnool) &  
Constituent College to Cluster University, Kurnool(w.e.f 2021-22)  
Doctors' Colony, B-Camp, Kurnool – 518002, Andhra Pradesh.


PROFORMA FOR REMEDIAL COACHING REGISTER - 2021-22											
Name of the Department: <u>Telugu</u>				October - 2021							
S.No	Group	Subject / Topic	No. of Periods / hours taken	Name of the Lecturer who has taken the class	Name(s) of the Student(s) attended	Marks obtained in University/Internal exams before remedial coaching	Number of classes taken by the Lecturer	Number of classes attended by the student	Marks obtained in University/Internal examinations after remedial	Percentage of improvement	Remarks
	Bio-Tech	Telugu	10	V.Vimdhya Vasini	B. Akanksha	10	10	10	18	40%	
1	"	"	"	"	G. Ramakrishna	06	10	09	12	30%	
2	"	"	"	"	G. Sumil	08	10	10	15	35%	
3	MZC	"	"	"	N. Imola	10	10	10	17	35%	
4	MZC	"	"	"	A. Manohar	10	10	08	16	30%	
5	MZC	"	"	"	N. Raju	10	10	10	16	30%	
6	MZC	"	"	"	R. Santhosh	10	10	10	15	35%	
7	MZC	"	"	"	B. Amitha	08	10	9	15	35%	
8	BZC	"	"	"	M. Moumika	08	10	9	18	50%	
9	"	"	"	"	B. Pravalika	10	10	10	15	35%	
10	"	"	"	"	C. Venkata Rama	11	10	10	18	40%	
11	HBC	"	"	"	K. Chaitanya Kumar	06	10	10	10	20%	
12	HBC	"	"	"	M. Manthamma	10	10	10	17	35%	
13	"	"	"	"	P. Victor	08	10	9	10	10%	
14	"	"	"	"							
15	"	"	"	"							
16											

*Amitha*  
Signature of the Lecturer  
15/11/21

*J. Kalavathi*  
Signature of the Principal  
11/11/2021

PROFORMA FOR REMEDIAL COACHING REGISTER											
Name of the Department:			HINDI SEMESTER - II								
S.No	Group	Subject / Topic	No. of Periods / hours taken	Name of the Lecturer who has taken the class	Name(s) of the Student(s) attended	Marks obtained in University/Internal exams before remedial coaching	Number of classes taken by the Lecturer	Number of classes attended by the student	Marks obtained in University/Internal examinations after remedial	Percentage of improvement	Remarks
1	MZC	Hindi	10	Dr. Divakar Das	B. Nagarajuna	08	10	10	09		
2	MZC	"	"		S. Sindhu	09	"	10	15		
3	"	"	"		K. Suresh	10	"	10	11		
4	MZC	"	"		K. Sadik Basha	16	"	10	19		
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											

  
Signature of the Lecturer

  
Signature of the Principal

*Divakar*  
Signature of the Lecturer  
11/11/2021

*J. Kalavathi*  
Signature of the Principal  
11/11/2021





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PROFORMA FOR REMEDIAL COACHING REGISTER											
Name of the Department: <u>HINDI, SEMESTER - II</u>											
S.No	Group	Subject / Topic	No. of Periods / hours taken	Name of the Lecturer who has taken the class	Name(s) of the Student(s) attended	Marks obtained in University/Internal exams before remedial coaching	Number of classes taken by the Lecturer	Number of classes attended by the student	Marks obtained in University/Internal examinations after remedial	Percentage of improvement	Remarks
1	B.Com (H)	Hindi	10	Dr. Dinakar D.D	R. Maneesha	13	10		14	85%	
2	"	"	"	"	V. Sai Kumar	08	11		08	0%	
3	"	"	"	"	S. Muskat	13	11		18	25%	
4	B.Com (Gen)	"	"	"	S. Umar	12	4		15	15%	
5	"	"	"	"	"	"			"	"	
6	B.A.	Hindi	10	"	R. Praveen Kumar	11	11		16	35%	
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											

Signature of the Lecturer

Signature of the Principal

Sem-6Th, B.A; III<sup>rd</sup> 2022. Time: 3:30 to 4:30 PM.

PROFORMA FOR REMEDIAL COACHING REGISTER											
Name of the Department:											
S.No	Group	Subject / Topic	No. of Periods / hours taken	Name of the Lecturer who has taken the class	Name(s) of the Student(s) attended	Marks obtained in University/Internal exams before remedial coaching	Number of classes taken by the Lecturer	Number of classes attended by the student	Marks obtained in University/Internal examinations after remedial	Percentage of improvement	Remarks
1	BA: III	History of World	10	A.V. Swamy	N. Benji Paul	F	10	10	C	—	—
2	BA: III	History of World	10	A.V. Swamy	B. P. Ramu	F	10	10	C	—	—
3	BA: III	History of World	10	A.V. Swamy	B. Venkatesh	F	10	09	C	—	—
4	BA: III	History of World	10	A.V. Swamy	B. R. Anjaneyulu	F	10	09	C	—	—
5	BA: III	History of World	10	A.V. Swamy	J. Navneet	F	10	09	B	—	—
6	BA: III	History of World	10	A.V. Swamy	K. Mahender	F	10	10	P	—	—
7	BA: III	History of World	10	A.V. Swamy	P. Navneet	F	10	10	P	—	—
8	BA: III	History of World	10	A.V. Swamy	S. Madhu	F	10	10	P	—	—
9	BA: III	History of World	10	A.V. Swamy	K. Nagesh	F	10	10	C	—	—
10	BA: III	History of World	10	A.V. Swamy	S. N. Ramesh	F	10	09	C	—	—
11	BA: III	History of World	10	A.V. Swamy	M. V. Narayana	F	10	09	C	—	—
12	BA: III	History of World	10	A.V. Swamy	Y. Rajashekar	F	10	09	P	—	—
13											
14											
15											
16											

Signature of the Lecturer  
(A. VENKATASWAMY)

Signature of the Principal  
Govt. Degree College for Men  
KURNOOL - 518 00 1

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## Constituent College to Cluster University, Kurnool(w.e.f 2021-22)

**Doctors' Colony, B-Camp, Kurnool – 518002, Andhra Pradesh.**

[illegible]





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S. NO	Group	Department of Botany (Remedial coaching) (2021-2022) Topic	NO. of Periods / Hours	Name of the Lecturer who has taken class	Name of the student	Marks obtained in University / Internal examinations before Remedial Coaching	Number of classes taken by the lecturer	NO. of the classes attended by the students	Marks obtained in University / Internal examinations after Remedial coaching	Percentage (%) of improvement	Remarks
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫
1.	BZC (I <sup>st</sup> )	<u>Set-1-3</u> • Anomalous secondary growth in Boerhaavia Stem • Endosperm - types • Development of root embryo. • Light factor • Temperature factor • Biotic factor	07	Shajidahi Shaikh	1. S. Ruma Nayadu A. Chandu T. Raja Shekhar	07 07 07	09	09 08 09	10 09 12	15% 10% 25%	
BZC (I <sup>st</sup> )		• Population Ecology • Community Ecology • Biodiversity Hotspots in India. • Anomalous secondary growth in Boerhaavia • Anomalous secondary growth in Dracaena • Megasporogenesis • Edaphic factor • Community Ecology • Temperature factor	07	D. Madhu Sudhakar	1. M. Chakravarthi 2. K. Krishna Babu 3. E. Madhu Sudhan Goud 4. S. Pruduviraj 5. K. Raju 6. G. Ramarath Reddy	10 10 10 06 06 07	09 09 09 09 09 09	12 12 14 15 12 11	12 12 16 08 14 15 11	32% 25% 35% 45% 30% 20%	



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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
		<ul style="list-style-type: none"> <li>Biodiversity Hot spots in India</li> <li>Population Ecology</li> <li>Principles of conservation</li> </ul>			7. G. Ravi 8. P. Ravi Kumar 9. B. Beema Sekhara	05 06 10	09 09 09	09 09 15	10 09 15	25% 15% 25%	
3. BCH	CH	<ul style="list-style-type: none"> <li>Tissue Systems</li> <li>Anomalous Secondary growth in Dicotyledons</li> <li>Microporogenesis</li> <li>Development of Dicot Embryo</li> </ul>	07.	K. Seppi Issac	1. K. Chaitanya Kumar 2. T. Mohan 3. M. Muthukrishna 4. K. Rama Chandrababu	10 10 10 10	09 09 09 09	15 15 15 15	15 15 15 15	25% 25% 25% 25%	
		<ul style="list-style-type: none"> <li>Ecosystem: concept, components, Energy flow, food chain, Food webs, Pyramids</li> <li>Secondary Production</li> <li>Biodiversity Hot spots in India.</li> <li>Levels of Bio-diversity &amp; types.</li> <li>Population Ecology</li> </ul>			5. P. Victor 6. S.B. Noor Aslam	10 10	09 08	15 15	15 15	25% 25%	

Ar. m. d. d. l. / 1/1/2





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II BA, IV Sem

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SN	Name	class sem	Name of the Lecturer	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Total class	After class	Grade	Grade	Signature of the student
1	S. Abdul Rehman	II BA IV Sem	Dr. K. Mallikarjuna	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	20	17	F	C	S. Abdul Rehman
2	S. Surendra	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	20	18	P	P	S. Surendra
3	T. Nagaraju	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	20	18	C	B	T. Nagaraju
4	S. Sarath Kumar	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	20	18	F	B	S. Sarath Kumar
5	S. Kalyan	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	20	17	F	B+	S. Kalyan
6	R. Rajendra	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	20	17	F	C	R. Rajendra
7	R. Nagaraju	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	20	18	P	C	R. Nagaraju
8	R. Balakrishna	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	20	18	F	B	R. Balakrishna
9	P. Minerva	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	20	17	F	C	P. Minerva
10	P. Madhu	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	20	19	P	C	P. Madhu
11	N. Tharun Kumar	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	20	18	F	P	N. Tharun Kumar
12	N. Mani Raju	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	20	17	C	B	N. Mani Raju
13	M. Satya	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	20	20	C	C	M. Satya
14	K. Madhavi	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	20	18	F	F	K. Madhavi
15	K. Siddhartha	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	20	19	F	F	K. Siddhartha
16	K. Madhu Tirumal	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	20	18	F	C	K. Madhu Tirumal
17	B. Govardhan	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	20	18	F	C	B. Govardhan
18	G. Manohar	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	20	19	F	P	G. Manohar

## Dept of Economics - Remedial Coaching Register - From December 2021 (1 to 13)

SN	Name	class sem	Name of the Lecturer	1	2	3	4	5	6	7	8	9	10	11	12	13	Total class	After class	Grade	Grade	Signature of the student
1	K. Harinath	II BA IV Sem	T. Madanna	X	X	X	X	X	X	X	X	X	X	X	X	X	10	8	F	C	K. Harinath
2	B. Mohan	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	10	9	C	P	B. Mohan
3	S. Nandibasha	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	10	8	F	B	S. Nandibasha
4	S. Praveen	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	10	9	F	B	S. Praveen
5	Y. Rakesh	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	10	8	F	C	Y. Rakesh
6	M. Srisailem	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	10	9	F	B	M. Srisailem
7	M. Thirumani	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	10	9	C	B	M. Thirumani
8	M. G. Pavankumar	"	"	X	X	X	X	X	X	X	X	X	X	X	X	X	10	8	F	P	M. G. Pavankumar



SNO	Hall ticket No	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Samp	%	marks	Grade	Signature of the Student
			16/10	17/10	18/10	19/10	20/10	21/10	22/10	23/10	24/10	25/10	26/10	27/10	28/10	29/10	30/10					
33	20110002058	D. Elisha	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	15	100	70	B	D. Elisha
34	20110002060	U. Govindu	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	15	100	72	B	U. Govindu
35	20110002062	Y. Madhu Sankar	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	14	93	82	A	Y. Madhusankar
36	20110002063	G. Mahendra Varma	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	14	93	70	B	G. Mahendra Varma
37	20110002066	K. Narasimha Naik	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	14	93	63	C	K. Narasimha
38	20110002068	M.G. Pavan Kumar	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	14	93	70	B	M. G. Pavan Kumar
39	20110002071	B. Raghavendra	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	14	93	65	C	B. Raghavendra
40	20110002073	J. Rakesh	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	14	93	67	C	J. Rakesh
41	20110002077	S. Saila Ja	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	13	86	66	C	S. Saila Ja
42	20110002080	M. Siva prasad Rao	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	13	86	70	B	M. Siva prasad
43	20110002082	P. Subhash	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	13	86	83	A	P. Subhash
44	20110002084	G. Tarun Kumar	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	14	93	80	A	G. Tarun Kumar

*(Signature)*

*(Signature)*

6/11/21

*(Signature)*

6/11/2021

JBW





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## Student Assignments

Assignment - 1

1) Explain the difference between prokaryotic cells and eukaryotic cells.

- Nucleus is the largest organelle in the cell.
- prokaryotic cells are the absent
- eukaryotic cells are the all present

S.NO	prokaryotic cell	eukaryotic cell
1.	Nucleus x	✓
2.	Mitochondria x	✓
3.	Ribosomes x	✓
4.	Lysosomes x	✓
5.	Endoplasmic x	✓
6.	Golgi body x	✓
7.	cell wall x	✓

Ex :- Virus and bacteria

2) Describe the ultra structure of animal cell.



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## Assignment - 1

1) Explain the difference between prokaryotic cells and Ukaryotic cells.

Ans:

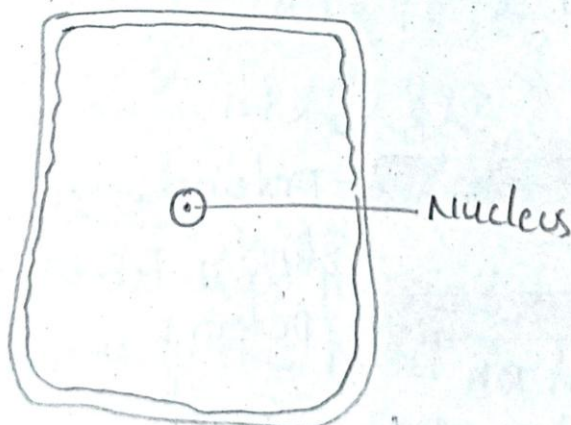
- Nucleus is the largest Organel in the cell.
- prokaryotic cells are the Absent
- Ukaryotic cells are the all present

S.No	prokaryotic cells	Ukaryotic cells
1. Nucleus	x	✓
2. Mitochondria	x	✓
3. Ribosomes	x	✓
4. Lysosomes	x	✓
5. Endoplasmic	x	✓
6. Golgy body	x	✓
7. Cell wall	x	✓

Ex: virus and bacteria

2) Describe the ultra structure of Animal cell

Ans:



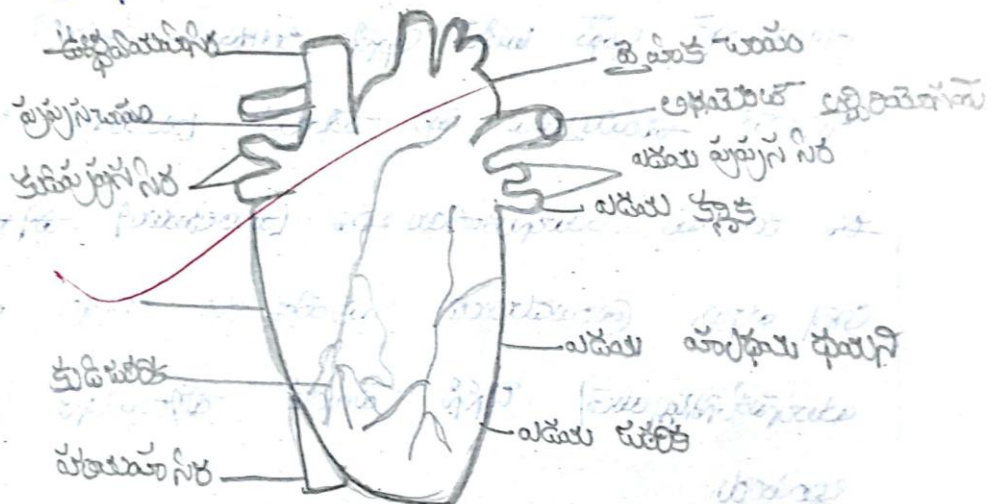


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### Assignment Questions:

- [illegible]



අත්තිකාරම් පාලන කොමිෂන්

ಗುಂಡೆ ಗಿಡುಳಿ ಯಾಕು ಕಾಡು ಕುಡುಮೆ. ಇದು ಯಾವ ಯಾವುದಾದರೂ  
ಯಾವುದೂ 'ಯಾವುದಾದರೂ' ಯಾವುದೂ ಯಾವುದೂ ಯಾವುದೂ ಯಾವುದೂ  
ಯಾವುದೂ ಯಾವುದಾದರೂ ಯಾವುದೂ ಯಾವುದೂ ಯಾವುದೂ ಯಾವುದೂ ಯಾವುದೂ

ಅಂತಿಮವಾಗಿ ಎಲ್ಲಾ ಕೆಲಸಗಳನ್ನು ಸುಗಮವಾಗಿ ನಡೆಸಲು  
 ಸಾಧ್ಯವಾಗುವಂತೆ ಮಾಡುವುದು.





Name : R. Ramonjorayulu Roll No. 8  
Standard : 2nd year Subject : Arts  
School / College : ..... Phone No. ....

S.No.	Date	Name of the Lesson	Page No.
		R. Ramanjanayulu Hindi MPC5 (E.M) 1 <sup>st</sup> sem year - 2021-2022 <u>Assignment - I :-</u> Hall Ticket no :- 21030305067 Topic :- गुजराती का महत्व	
		<u>Assignment - II</u> Semester - II (May-Aug 2022) Hall Ticket no :- 21030305067 Topic - अंग्रेजी का अनुपयोग	
		<u>Assignment - III</u> Semester - III (Nov - Feb 2023) Hall Ticket no :- 21030305067	





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## \* पुस्तकालय का महत्व

एक पुस्तकालय एक शैक्षिक संस्था के दिल और आत्मा है। एक कॉलेज या स्कूल का पुस्तकालय अपनी पुस्तकालय से है वास्तव में, अकेले अक्सर केवल एक शून्य नहीं बनाते हैं।

एक पुस्तकालय किताबों और पत्रिकाओं और एक संग्रह है। लेकिन इसमें कुछ भी है। एक पुस्तकालय ज्ञान का मंदिर और लौगा के लिए परदा है। यह वह जगह है जहां ज्ञान संरक्षित है।

पुस्तकालयों के कई उपयोग हैं एक पुस्तकालय ज्ञान फैलाता है ग्रिब लोगों, विशेष रूप से ग्रामिण छात्रों, जो किताबों खरीदने का जोखिम नहीं उठा सकते, लाइब्रेरी का सर्वश्रेष्ठ उपयोग कर सकते हैं। वे किताबों आधार ले सकते हैं और ज्ञान प्राप्त कर सकते हैं। वे यहां तक कि अमिर मनुष्यों में सभी किताबों नहीं हो सकते हैं और अतः पुस्तकालय पर भी होना चाहिए।

दूसरे, पुस्तकालय छात्रों को किताबों पढ़ने की आदत विकसित करते के लिए प्रेरणा देता है। पढ़ने के कक्ष में एक वातावरण प्रदान करता है जहां हर एक किताबों का अध्ययन करवा चढ़ा है। एक पाठ्य दुनिया कि नहीं खोजें, आविष्कार और दिन-प्रतिदिन मामलों के





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Hindi Assignment-1

Sem-I, NOV-APR  
2021-2022

नाम के. मोंलाली

कक्षा MPCs (C.M)

हिंदी (note book)

Year :- 2021-2022

Hall ticket number :- 192010

Topic :- पुस्तकालय का महत्व

Assignment-2 Sem-II  
May-Aug  
2022

विषय :- समाज का संरक्षण





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## एच.आई.वी./एड्स (AIDS)

एच. आई. वी./एड्स ! इतिहास :-

\* एच. आई. वी./एड्स ! इतिहास :- \*  
सन् 1981 में, अमेरिका के लॉस एंजिल्स शहर के रेगियो में, डॉक्टरों को कुछ विषम लक्षण दिखाई दिए। वहीं पर समलिंगी संबंध करने वाले कुछ युवा लोगों में एक विषम प्रकार का श्वसनिक और त्वचा का कर्करोग या कैंसर देखा गया। वैज्ञानिकों को शरीर की नैसर्गिक रोग प्रतिरोधक शक्ति को कम करने वाले कोई भी कारण नहीं मिले। इस रोग को गै-रेलेटेड इम्यूनोडेफीसिएन्सी सिन्ड्रोम (Gay-related immunodeficiency syndrome) या GRID नाम दिया गया। कुछ समय के बाद वैज्ञानिकों ने समलिंगी संबंध करने वाले, शिशुओं से मादक द्रवों का सेवन करने वाले और हीमोफीलिक लोगों में भी दिखाई दिए। ये लोग समलिंगी संबंध रखने वाले नहीं थे। तब वैज्ञानिकों ने सोचा कि यह रोग प्रतिकारक शक्ति कम करने वाले किसी विषाणु से होता होगा और इस तरह इसका नाम बदल कर एक्वाइर्ड इम्यूनोडेफीसिएन्सी सिन्ड्रोम (Acquired Immuno deficiency Syndrome - AIDS) रखा गया। सन् 1983 में फ्रेंस में प्रसिद्ध वैज्ञानिक डॉ. लुक् मोंटग्नियर ने इस रोग के विषाणु की खोज की। उसी समय अमेरिका के डॉ. रोबर्ट गालो को भी यही विषाणु दिखाई दिया। बुराहात में इस विषाणु को अलग-अलग वैज्ञानिकों ने अलग-अलग नाम दिए। लेकिन बाद में इसे 'ह्यूमन इम्यूनो डेफीसिएन्सी वायरस (एच.आय.वी.)' नाम दिया गया, जिसका अर्थ है, मानव शरीर की रोग प्रतिकारक





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## plain DR. EF COON RULES

For any RDBMS to be ~~ext~~ accepted at full fledged RDBMS it has to follow the COON rules  
The are 12 COON rules

\* The information Rule: It used to represented all information as data values in the rows and columns and tables the basics of relational model.

\* The Qualified ones rules: Every data value in a relational by specifies a candidate of the table name the primary key value an column

\* system Treatment of null values:

DBMS must support null value to represent missing or inapplicably information they may be distinct from zero or spaces

\* utilise online catalog based on the relational model list of collection table the DBMS maintaining for its about the data base

\* The composition data language Rule:

the rule states that perform most separate the language that performs data definition view definition data manipulation operation security and integrity constraints and transaction management





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B. Chavan Chavan

B.com (62)

II<sup>nd</sup> Sem, Sub:- B.T.P

Roll No:- 21030202004





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## Assignment - 1

Define Commercial Bank, Discuss the functions of a commercial Bank.

A Bank is an Institution which deals with money and credit. It accepts deposits from the public, makes the funds available to those who need them, and help in the remittance of money from one place to another.

According to "Crowther," a Bank "collects money from those who have it to spare or who are saving it out of their incomes and it's to spare or who are lending this money to those who require it."







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21-04-21

## Assignment - 1

### 1. Essentials of valid contract.

The term "contract" is derived from a latin word "Contractum" which means "Drawn together". A contract brings or draws the parties together and establishes legal relationship between them.

### Essentials of valid contract :-

Agreement :- An Agreement is the basis for a contract. It is the result of offers and acceptance. This means there should be an offer by one party and its acceptance by the other. The offer and acceptance should be lawful. There must be consensus Ad Idem. It means there must be identity of minds among the parties. They should agree the same thing in the same sense.

### 2. Intention to create Legal Relationship

The Agreement must create legal relationship between the parties. If there is no intention on the part of the parties to create legal relationship, there is no

contract. Agreement of social (or) domestic





Name : T. Venkatesh Roll No. 96  
Standard : II<sup>nd</sup> B.Com (C.N) Subject : Business Law  
School / College : Govt. Degree college for men Phone No. \_\_\_\_\_

S.No.	Date	Name of the Lesson	Page No.
1.	24-7-21	Essentials of a valid Contract.	1-6.
2.	10-5-21	classification of Contract	7-12
3.	21-5-21	Essentials of valid Consideration	13-16
4.	10-6-21	minor, legal rules relating to minor's agreement.	20-24
5.	6-7-21	No Consideration No Contract	17-19
6.	6-7-21	Discharge of Contract, various modes	25-29.
7.	24-7-21	Breach of Contract, Remedies available to injured party	30-35
8.	25-7-21	Difference between Contract of sale, Agreement of Sale	36-41
9.	26-7-21	Types of Conditions and warranties	42-41
10.	27-7-21	Rights of an unpaid seller	48-52
11.	28-7-21	IT Act - objectives, features, Provisions	53-57
12.	29-7-21	Digital Signature	58-62.





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21-04-21

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Name :- S. Mahe Zabeen

Hall ticket No :- 21030309008

Group :- Biotechnology - 2021-2022 (III sem)  
(III sem)

Class :-

Subject :- Botany

## Botany Assignments Topics

Assignment - 1 :- Structure of Anthers

Assignment - 2 :- Tissue System & Embryology

Assignment - 3 :- Development of Embryo Sac

Assignment - 4 :- Endosperm

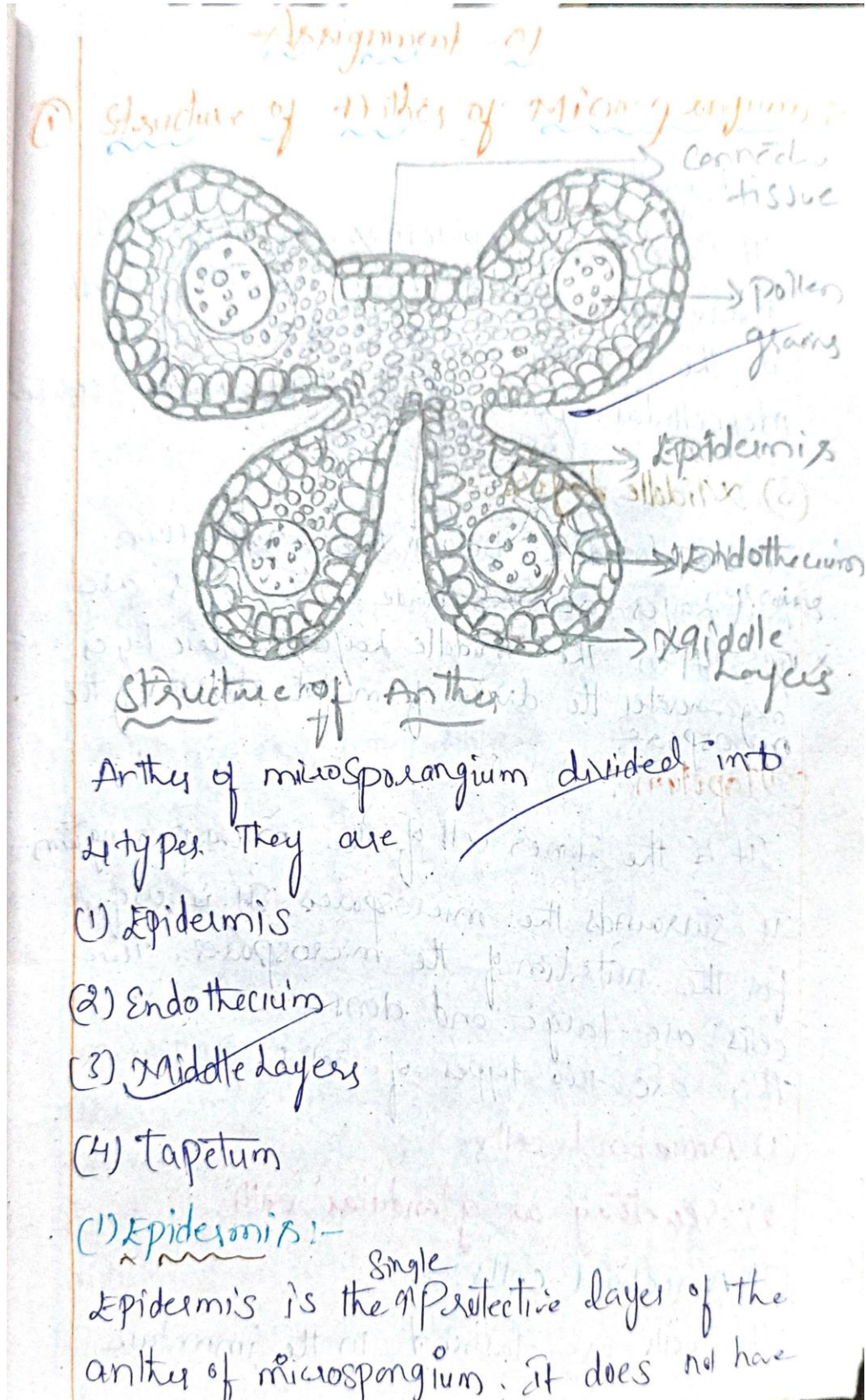
Assignment - 5 :- Food chain





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## Assignment-3

- 1) Name the theories on root apex
- 2) Name the theories on shoot apex?
- 3) Who classified the tissue system
- 4) Cuticle is absent in which part of the plant
- 5) What is the importance of stomata?
- 6) The stomata present xerophytes named as \_\_\_\_\_
- 7) How many types of stomata present in dicots?
- 8) How many types of stomata present in monocots?
- 9) What is the important role in endodermis in ground tissue system.
- 10) Lateral roots arise from \_\_\_\_\_
- 11) What is the position of pith in Medulla, in dicots or monocots
- 12) Write the differentiation b/w a ~~Endarch~~ ~~tachetele~~ and ~~Eustele~~ ~~Exarch~~
- 13) Define the radial vascular bundles
- 14) Define the collateral vascular bundles.
- 15) Define the bicollateral bundles.





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## Botany assignment

Name :- A. Mahalakshmi

Hall ticket no:- 21030309002

Group :- Biotechnology - 2021-2022

subject :- Botany - III sem

### Assignment topics

Assignment-1:- Structure of anther

Assignment-2:- Tissue system and embry-

Assignment-3:- development of embryo<sup>ology</sup>sac

Assignment-4:- Endosperm

Assignment-5:- food chain.





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## Assignment - I

(3) what are the differences between economic growth and economic development.

Economic development :- it is defined as a steady and continuous rise in the aggregate real output of an economic (GDP) over a long period.

Economic Growth	Economic Development
1) it refers to an increase in a country's real output of goods and services.	It refers not only to economic growth but also to progressive changes in the socio economic of a nation.
2) it is a phenomenon.	It is a process.
3) it consists of only quantitative changes.	It explains both qualitative and quantitative changes.
4) it is a single <sup>bested</sup> concept.	It is a multi dimensional concept.
5) it does not require government intervention.	This is only possible with active government intervention.
6) it will happen with more technological progress.	It will happen with more improvement in the quality of life of people.
7) its scope is narrow.	Its scope is wide.
8) it is only economic.	It includes economic and cultural changes.





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## Assign Assignments

1. Explain the concept of economic growth?

The terms 'economic growth' and 'economic development' 'economic progress', 'economic welfare' 'secular change' is more often used synonymously. But economists have drawn a line of difference between these two. Yes economic growth and economic development.

### • A long period:

Increase in production capacity of the country of goods and services should be possible in the long run.

### • Increase in real G.D.P.

Economic growth considers only real

### • study and continuous rise

The real G.D.P of the nation is to increase study and continuously without any downs.





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## Highlights of the Event:

Critically examine The balanced growth strategy

Introduction The underdeveloped countries have broadly focused on two strategies of development viz balanced growth strategy and unbalanced growth strategy. Western economists like Ragnar Nurkse.

Arthur Lewis, Young, Rosenstein, Rodan have advocated the strategy of balanced growth for underdeveloped

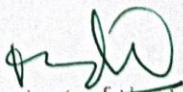
meaning The concept of balanced growth is not a static but dynamic one because its interpretation continues changing. In one context balanced growth may mean investment in the depressed sector of an economy while in the other context it may stand for harmonious development of different sectors. Anyhow the definition for the balanced growth strategy given by H.O.K. Ghosh is considered as the most suitable definition.

Definition Planning with balanced growth indicates that all sectors of one economy will expand in the same proportion so that consumption, investment and income will grow at the same rates.

As per the definition balanced growth can occur when the growth rates of consumption, investment and income are equal. This can be expressed as...

$$\Delta C/C = \Delta I/I = \Delta Y/Y$$

Suggestions:

  
Signature of the In-charge

[illegible]





Name V. Sujatha Sub Biotech  
Std II 2nd year Div II Sem Biotech Roll No Assignment  
School/College Gout degree College for men Notes

S/No	Date	Title	Page No	Teacher's Sign/Remark
		HT No: 21030309010		
		Semester - III End bioTech		
		- nology		
		Year - 2021 - 2022 (Dec - March)		
1.		Antigen		
2.		BT - Colton		
3.		<del>Antigen</del> ELISA		
4.		Thymus		
5.		B. lymphocytes Con B cells.		





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## Assignment - 1

Antigen :- The antigen substance can produce an immune response the antigen when it is introduced into the tissue antigen to animal body the can be reacts specific antibody is known as Antigen

\* The basic characters into 2 antigen included  
1. Antigenicity 2. Immunogenicity

Antigenicity :- The capability of the antigen retained its antigenic nature after entering into the host is called Antigenicity

Immunogenicity :- The ability of antigen the stimulate of production is antibody known as Immunogenicity

Physical features  
\* Foreignness The degree of foreignness that increases the antigenicity known as Foreign Antigen

Epitope :- The part of an antigen that combine to the antibody is known as Epitope

\* Antigen should possess molecular weight around 10000 daltons





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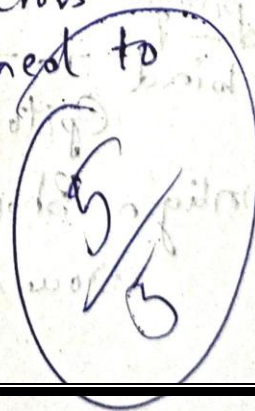
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## Chemical Nature of antigen

- \* The majority of antigens are proteins increases they have largest array of amino acids
- \* Most Polysaccharides are antigens but they do not possess sufficient Chemical biodiversity the antigenicity
- \* Blood group antigens are strong Immunoglobulins
- \* Nucleoproteins are strongest antigens because Nucleic Acids
- \* Lipids can be Non Immunoglobulins but Cardiolipin acts as Epitope

## Cross reactive Antigen

- \* The antibodies released against specific Antigen reacts with another Antigen due to the presence of some Antigenic determinator
- \* The Antigens which are involved in the presence of reaction are known as Cross reactive antigen in the Cross and the Antibody involved in cross retained to Cross reactive antigen







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## Assignment - 2

BT Cotton:- Some strains of *Bacillus thuringiensis* produce proteins that kill certain insects such as lepidopterans (tobacco bud worm army worm) coleopterans and dipterans (flies, mosquitoes). *B. thuringiensis* forms protein crystals contain a toxic insecticidal protein. Why does this toxin not kill the *Bacillus*? Actually the BT toxin, it is converted into an active form of toxin due to the alkaline pH of the gut which solubilise the crystals. The activated toxin binds to the surface of midgut epithelial cells and make pores that cause cell swelling and lysis and eventually cause death of the insect. Insect-specific BT toxin genes were isolated from *Bacillus thuringiensis* in 1981 and incorporated into the choice of genes depend upon the crop and the targeted pest as most BT toxins are insect group specific. The toxin is coded by a gene named *cry*. There are a number of them for example the proteins encoded by the genes *cry IAC* and *cry IAb* control the cotton boll worms that of *cry IAb* control corn borers.





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## Assignment - 2

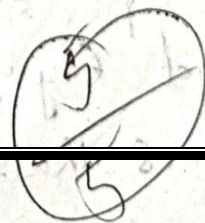
### ELISA :-

Enzyme linked Immuno Sorbent assay ELISA is highly sensitive highly specific and less expensive technique used in serology to detect antigens/antibodies this test involves the linking of various "label" enzymes to either antigens or antibodies. ELISA is based on the two principles

- 1) Antibodies and some antigens can absorb to a solid support such as polystyrene, polyvinyl or polycarbonate wells
- 2) Antigens and antibodies can be linked to enzymes with the resulting complexes still fully functional both immunologically and enzymatically. Enzyme activity is used to measure the quantity of antigen or antibody present in the test sample. Enzymes used in ELISA include galactosidase, glucose oxidase, peroxidase and alkaline phosphatase.

### Indirect method :-

1. It is used for the detection of antibodies.  
Ex:- antibodies to HIV and Tubercle virus
2. In this technique the antigen is surface of cell wall
3. Test antiserum added and incubated





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Name:- S. Mahe Zabeen

Group:- II<sup>nd</sup> Biotechnology  
(III sem)

Hall Ticket No:- 21030309008  
Year:- 2021-2022 (Dec-March)  
Assignment Topics

1. Antigen
2. ELISA
3. B-Lymphocytes (or) B-cells
4. Thymus
5. B.T. Cotton





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## Assignment-02

### Thymus:-

In mammals the thymus is originated from the Epithelium of pharyngeal Pouches by about sheet it connected from the pharynx later Epithelial structure is filled up by the mesenchymal lymphoid cells formed from the foetal liver & bone marrow.

It is fully developed organ at birth. After birth the growth of the animal, it also increases size & reaches the maximum size. Then it involve into i.e of gradually decreases in size & becomes almost invisible in adult stage.

In humanbeings the thymus occurs two oval lobes behind top of the thyroid gland along the neck. All the time of birth about 15-20 gms & increase in size after birth it reaches about 40g in ut of puberty & this after its slowly disappears. the thymus is covered by a





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Assignment-02

ELISA

Indirect Immunoprecipitation Assay:-

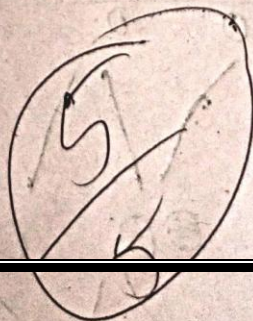
\* It is used for the detection of antibodies (Ex: antibodies HIV and tubella virus in Serum sample)

\* In this technique the antigen is adsorbed into the inner surface of cell wall.

\* Test antiserum is added and incubated

\* If any antibodies is the test antiserum have bound to the antigen, their presence is detected by adding & Enzyme linked anti Immunoglobulin (anti-body)

\* Enzyme substrate is the added & the colour change can be detected by ELISA read in terms of optical density.







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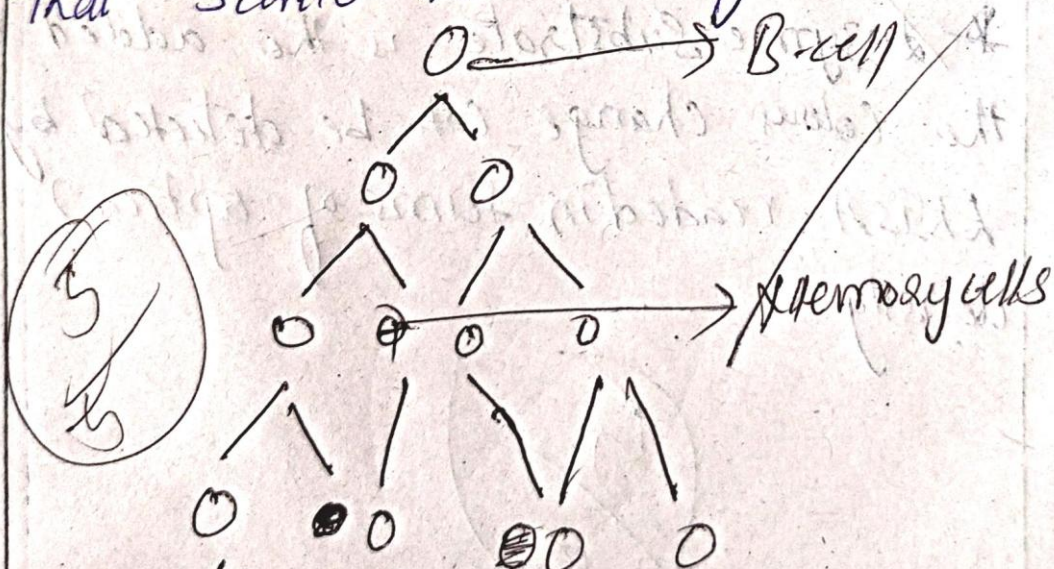
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Doctors' Colony, B-Camp, Kurnool – 518002, Andhra Pradesh.

## Assignment - 03

### 1) B-cells or B-lymphocytes

The B-lymphocytes derived its name from its site of maturation in bone marrow. Matured B-cells are characterised by the presence of membrane bound immunoglobulin (antibody) molecule which acts as receptors for the antigen.

Appropriate interaction b/w antigen & membrane bound antibody in B-cells, B-cells divide repeatedly differentiating into a population of plasma cells and memory cells. Plasma cells are the actual cells that secrete the antibody.







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The bilobed thymus is covered by a fibrous capsule. Each lobe of thymus is organised into lobules which are separated from one another by septa arising from the capsule called trabeculae within each lobule. The cells are arranged into an outer cortex and an inner medulla. The cortex is lightly packed with proliferating immature lymphocytes while the medulla contains more mature cells. The epithelial cells of the thymus are known to synthesise a group of thymus hormones such as thymulin, α thymosin and thymopoietin. These hormones are found to bring about the transformation of lymphocytes to T-lymphocytes. The T-lymphocytes are not morphologically distinguishable from B-lymphocytes. But they differ from B-lymphocytes presence of surface marker antigen, present in the T-lymphocytes.

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Assignment-04

Indirect Immuno Sorbent Assay:- (ELISA)

- 1) It is used for the detection of antibodies
- 2) In this technique the antigen is adsorbed onto the inner surface of cell wall.
- 3) Test antiserum is added and incubated
- 4) If any antibodies the test antiserum have bound to the antigen, their presence is detected by adding and enzyme linked anti immunoglobulin (anti antibody)
- 5) Enzyme substrate is then added and a colour change can be detected by ELISA readed in terms of optical density.

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