

**S R & B G N R GOVT. ARTS & SCIENCE COLLEGE, KHAMMAM-507 002.**  
**(AUTONOMOUS)**



# **CURRICULAR PLAN**

**2019 - 2020**

## **PAPER WISE**

### **DEPARTMENT OF BOTANY**

*Name of the Lecturers :* Dr. G. VALYA

**S R & B G N R GOVT. ARTS & SCIENCE COLLEGE, KHAMMAM-507 002.**  
**(AUTONOMOUS)**



# **CURRICULAR PLAN**

**2019 - 2020**

**DEPARTMENT OF** BOTANY

**PAPER - IV**

COMMISSIONERATE OF COLLEGIATE EDUCATION, T.S.

**ANNUAL CURRICULAR PLAN (LECTURER WISE) : 2019 - 2020**

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department : BOTANY

Name of the Lecturer : Dr. G. Valya

Class : B.Sc, B.Zc

Year : II

Paper : IV

S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided/ Taught	Curricular Activity				Co-Curricular Activity / <i>Practicum</i>				Remarks			
						Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date				
1	June 2019	1 <sup>st</sup> Week															
2	June 2019	2 <sup>nd</sup> Week															
3	June 2019	3 <sup>rd</sup> Week	4 hrs	<u>Meristems</u> : Types, histological organization of shoot and root apices and theories	The students are advised to follow the reference text books along with Telugu Academy, Botany Text book paper - III sem - III.			Five (05) days		Yes							
4	June 2019	4 <sup>th</sup> Week	4 hrs	Tissues and Tissue systems Simple, complex, and Special Tissues.	The students are advised to follow the reference text books along with Telugu Academy, Botany Text book paper - III sem - III. Preparation of notes (concepts of the topics) at their home.												

*G. Valya*  
Signature of the Lecturer

Signature of the Department I/C  
Sri Rama Bhakta Gentela Narayana Rao Govt. Arts & Science College

Signature of the Principal

COMMISSIONERATE OF COLLEGIATE EDUCATION, T.S.

**ANNUAL CURRICULAR PLAN (LECTURER WISE) : 2019 - 2020**

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department : BOTANY

Class : B.Sc, B.ZC

Year : II

Paper : IV

Name of the Lecturer : Dr. G. Valya

S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided/ Taught	Curricular Activity				Co-Curricular Activity			Remarks	
						Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted		If not, alternate date
1	July 2019	1 <sup>st</sup> Week	4 hrs	Tissues and Tissue systems: complex tissues and special tissues	As to follow the reference text book along with Botany text book	Teaching								
2	July 2019	2 <sup>nd</sup> Week	4 hrs	Leaf: ontogeny, Diversity of internal structure, stomata and epidermal outgrowth.	the student are advised to refer the text book along with Botany text book	Teaching	Five (05) days allotted	Yes		Questions given as per examination, Question paper (Unit wise) and section wise.	One day for each topic of the Unit	Yes		
3	July 2019	3 <sup>rd</sup> Week	4 hrs	Vascular cambium: Formation and Function of Vascular cambium.	The student are advised to refer the text book along with Botany text book	Teaching								
4	July 2019	4 <sup>th</sup> Week	3 hrs	Anamalous secondary Growth: General Account Stem of Achras, Alnus, Bala, etc.	The student are advised to refer the text book along with Botany text book	Teaching								

*G. Valya*  
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COMMISSIONERATE OF COLLEGIATE EDUCATION, T.S.

ANNUAL CURRICULAR PLAN (LECTURER WISE) : 2019 - 2020

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department : BOTANY

Name of the Lecturer : DY G. VALYA

Class : B.Sc, B.ZC

Year : II

Paper : IV

S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided/ Taught	Curricular Activity				Co-Curricular Activity				Remarks
						Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	
1	August 2019	1 <sup>st</sup> Week	4 hrs	Anomalous Secondary Growths: <i>Signonia</i> , <i>E. Dracaena</i> Root of <i>Beta Vulgaris</i>	The student is advised to follow the reference text book along with Botany - Text book				/				/	/
2	August 2019	2 <sup>nd</sup> Week	4 hrs	Wood structure: General Account, study of local timbers - Teak, Rosewood	The student is advised to follow the reference text book along with Botany - Text book		Five (5) days	Yes	/	Questions given as per Unit		Yes	/	/
3	August 2019	3 <sup>rd</sup> Week	4 hrs	Red Sanders, Nallamaddi and neem. Introduction to Embryology.	The student is advised to follow the reference text book along with Botany - Text book		Five (5) days		/	Questions given as per Unit			/	/
4	August 2019	4 <sup>th</sup> Week	4 hrs	Introduction to Embryology History and Importance of Embryology. Anther: Anther structure,	The student is advised to follow the reference text book along with Botany - Text book				/	Model examinations, Question papers (Unit wise) and Section wise)			/	/

*G. Vallya*  
Signature of the Lecturer

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**ANNUAL CURRICULAR PLAN (LECTURER WISE) : 2019 - 20 20**

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department : BOTANY

Name of the Lecturer : Dr. G. Valya

Class : B.Sc, BzC

Year : II

Paper : IV

S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided/ Taught	Curricular Activity				Co-Curricular Activity				Remarks	
						Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date		
1	Sept 2020	1 <sup>st</sup> Week	4 hrs	Anther; Microsporogenesis and Development of male gametophyte	to follow along with Botany text books				/						
2	Sept 2020	2 <sup>nd</sup> Week	4 hrs	Ovule:- Ovule structure and types, Megasporogenesis types	advised to follow Botany text books, along with Botany text books		(05) days	Yes	/	given as per question papers		Yes	/		
3	Sept-20	3 <sup>rd</sup> Week	4 hrs	Ovule:- Development of Female gametophyte and types. Pollination: types.	students are advised to follow the reference text-books, along with Telugu Academy, preparation of notes (Cammer of the topics) at their home.		Five		/	Model Questions given as per examination, Question papers Unit wise and section wise.			/		
4	Sept-20	4 <sup>th</sup> Week	4 hrs	Pollination: Pollen-pistil interaction, Fertilization	The students are advised to follow the reference text-books, along with Telugu Academy, preparation of notes (Cammer of the topics) at their home.				/	one day for each topic of the Unit.			/		

Signature of the Lecturer

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Signature of the Principal

COMMISSIONERATE OF COLLEGIATE EDUCATION, T.S.

ANNUAL CURRICULAR PLAN (LECTURER WISE) : 2019 - 2020

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department : BOTANY

Name of the Lecturer : Ar. G. Valya

Class : B.Sc, B.ZC

Year : II

Paper : IV

S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided/ Taught	Curricular Activity				Co-Curricular Activity				Remarks	
						Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date		
1	Sept 2020	1 <sup>st</sup> Week	4 hrs	Anther: Microsporogenesis and Development of male gametophyte	to follow as along with Botany text books				/				/		
2	Sept 2020	2 <sup>nd</sup> Week	4 hrs	Ovule:- Ovule structure and types, megasporogenesis types	advised to follow Botany text-books, along with Botany text books		5 days	yes	/		given as per question papers		yes	/	
3	Sept-20	3 <sup>rd</sup> Week	4 hrs	Ovule:- Development of Female gametophyte and types. Pollination: types.	students are advised to follow the reference text-books, along with Telugu Academy, preparation of notes (Cammer of the topics) at their home.		Five		/		Model Questions examinations, Question Papers Unit wise and section wise.			/	
4	Sept-20	4 <sup>th</sup> Week	4 hrs	Pollination: Pollen-Pistil interaction, Fertilization	The students are advised to follow the reference text-books, along with Telugu Academy, preparation of notes (Cammer of the topics) at their home.				/		one day for each topic of the Unit.			/	

Signature of the Lecturer

Signature of the Department I/C  
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COMMISSIONERATE OF COLLEGIATE EDUCATION, T.S.

**ANNUAL CURRICULAR PLAN (LECTURER WISE) : 2019 - 2020**

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department : BOTANY

Class : B.Sc, B.Zc

Year : II

Paper : IV

Name of the Lecturer : Dr. G. VALYA

S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided/ Taught	Curricular Activity				Co-Curricular Activity			Remarks	
						Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted		If not, alternate date
1	Oct-20	1 <sup>st</sup> Week	6hrs	Endosperm and embryo development and types of endosperm, development and types of embryo	to follow along with botany that books					per per per Unit				
2	Oct-20	2 <sup>nd</sup> Week	6hrs	Endosperm and embryo Outlines of Polyembryony and Apomixis.	advised books botany that books		days (07)	yes		given as per per per Unit		yes		
3	Oct-20	3 <sup>rd</sup> Week	4hrs	Palynology:- Pollen Morphology, NPC System	the students are advised the superme text books Telugu Academy, Botany that books		Five			Questions given as per per per Unit				
4	Oct-20	4 <sup>th</sup> Week	2hrs	Palynology:- Application of Palynology.	The students are advised the superme text books Telugu Academy, Botany that books					Model Questions given as per per per Unit				

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**(AUTONOMOUS)**



# **CURRICULAR PLAN**

**2019 - 2020**

## **PAPER WISE**

**DEPARTMENT OF** Botany.

*Name of the Lecturers :* 1. M. A. Arif. 3.  
2.

**S R & B G N R GOVT. ARTS & SCIENCE COLLEGE, KHAMMAM-507 002.**  
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*2-2019*  
*July-19-2019*  
*Aug-19-2019*  
*Sept-19-2019*  
*Oct-19-2019*  
*26*

# **CURRICULAR PLAN**

**2019 - 2020**

**DEPARTMENT OF** Botany.

**PAPER -** Sem - I

17.07.2019 to 31.07.2019

COMMISSIONERATE OF COLLEGIATE EDUCATION, T.S.

ANNUAL CURRICULAR PLAN (LECTURER WISE) : 2019 - 2020

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department : Botany

Name of the Lecturer : M.A. Arif

Class : BZC

Year : I

Paper : Sem - I

Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided/ Taught	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date		
July 2019	1 <sup>st</sup> Week	25	Bacteria: Structure, nutrition, reproduction & Eco. importance. Archaeobacteria, Actinomyces & Mycoplasma with ref. to Little leaf of Brinjal and Papaya leaf curl.	follow the reference text-books.		1/week		-	unitwise		Yes	-	-	
	2 <sup>nd</sup> Week		Viruses: Structure, replication & transmission, plant diseases caused by viruses and their control with ref. to Tobacco Mosaic and Rice Tungro		Preparation of notes of the topics at their home.		02 - days/week	Yes	-	questions given -		"	-	-
	3 <sup>rd</sup> Week		An outline of plant diseases of imp. crop plants caused by bacteria & their control with ref. to Angular leaf spot of cotton & Bacterial blight of Rice.				02		-	Question Paper model wise.		"	-	-
	4 <sup>th</sup> Week		General characters, structure, reproduction & classification of Algae (Fritsch).						-	Model Questions & Question Paper		"	-	-

Signature of the Lecturer

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COMMISSIONERATE OF COLLEGIATE EDUCATION, T.S.

ANNUAL CURRICULAR PLAN (LECTURER WISE) : 2019 - 2020

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department : Botany

Name of the Lecturer : M. A. Arif.

Class : B2C

Year : I

Paper : Sem - I

Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided/ Taught	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date		
Aug 2019	1 <sup>st</sup> Week	23	Cyanobacteria: Gen. characte- ris, cell structure, their signi- ficance as bio-fertilizers.											
	2 <sup>nd</sup> Week		Oscillatoria, Nostoc & Anabaena.	To follow the reference text books.	Preparation of the <del>text</del> notes of given topics at their home.	02 days/week.		Yes ←						
	3 <sup>rd</sup> Week		Structure and repro- duction of Volvox & Oedogonium.											
	4 <sup>th</sup> Week		Chara & Ectocarpus.											

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COMMISSIONERATE OF COLLEGIATE EDUCATION, T.S.

ANNUAL CURRICULAR PLAN (LECTURER WISE) : 2019 - 2020

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department : Botany

Name of the Lecturer : M.A. Arif

Class : B.Sc

Year : I

Paper : Sem - I

Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided/ Taught	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date		
sept 2019	1 <sup>st</sup> Week	20	Polysiphonia - Gen. char & classification of fungi. Albugo, Mucor.											
	2 <sup>nd</sup> Week		Saccharomyces & Penicillium.	To follow the reference text books.	Preparation of notes of the topics at their home.	04 hrs/week	Yes		Model Questions given - unit wise and Question Paper model work.	04 hrs/week	Yes			
	3 <sup>rd</sup> Week		Puccinia life cycle.											
	4 <sup>th</sup> Week		Cercospora & Economic importance of Lichens.											

Signature of the Lecturer

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Signature of the Principal

COMMISSIONERATE OF COLLEGIATE EDUCATION, T.S.

**ANNUAL CURRICULAR PLAN (LECTURER WISE) : 2019 - 2020**

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department : Botany

Name of the Lecturer : M.A. Anil

Class : BZC

Year : I

Paper : Sem - I

Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided/ Taught	Curricular Activity				Co-Curricular Activity			Remarks	
					Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Wheather Conducted		If not, alternate date
October 2019	1 <sup>st</sup> Week	18	Bryophytes:- Structure, reproduction & life cycle & systematic position of Marchantia, Anthoceros and Polytrichum. Evolution of sporophyte in Bryophytes.	To follow the text books.	notes of the their home.	04 hrs/week.	Yes	-	Model questions given - unit wise	04 hrs/week	Yes	-	-
	2 <sup>nd</sup> Week		Pteridophytes:- Rhynia Lycopodium, Equisetum	To follow the text books.	notes of the their home.	04 hrs/week.	Yes	-	Model questions given - unit wise	04 hrs/week	"	-	-
	3 <sup>rd</sup> Week		Equisetum contd; & Marsilea.	To follow the text books.	Preparation of topics at	04 hrs/week.	Yes	-	Model questions given - unit wise	04 hrs/week	"	-	-
	4 <sup>th</sup> Week		Stelar evolution, Heterospory and seed habit in Pteridophytes.	To follow the text books.	Preparation of topics at	04 hrs/week.	Yes	-	Model questions given - unit wise	04 hrs/week	"	-	-

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**(AUTONOMOUS)**



# **CURRICULAR PLAN**

**2019 - 2020**

**PAPER WISE**

**DEPARTMENT OF BOTANY**

*Name of the Lecturers :* G.SURENDRA REDDY

**S R & B G N R GOVT. ARTS & SCIENCE COLLEGE, KHAMMAM-507 002.**  
**(AUTONOMOUS)**



# **CURRICULAR PLAN**

**2019 - 2020**

**DEPARTMENT OF** BOTANY

**PAPER -**



COMMISSIONERATE OF COLLEGIATE EDUCATION, T.S.

ANNUAL CURRICULAR PLAN (LECTURER WISE) : 2019 - 2020

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department : Botany

Name of the Lecturer : G. SURENDRA REDDY

Class :

Year :

Paper :

Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided / Taught	Curricular Activity				Co-Curricular Activity				Remarks	
					Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date		
June	1 <sup>st</sup> Week													
June	2 <sup>nd</sup> Week													
June	3 <sup>rd</sup> Week	3	plant cell Envelopes	The students are advised to follow the reference books along with Telugu Academy books.	Preparation of study notes					gives as per				
June	4 <sup>th</sup> Week	3	plant cell Envelopes	The students are advised to follow the reference books along with Telugu Academy books.	Preparation of study notes					Model questions Exam pattern.				

Signature of the Lecturer  
G. Surendra Reddy

Signature of the Department I/C  
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COMMISSIONERATE OF COLLEGIATE EDUCATION, T.S.

**ANNUAL CURRICULAR PLAN (LECTURER WISE) : 20 - 20**

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department :

Name of the Lecturer :

Class :

Year :

Paper :

Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided / Taught	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	
July	1 <sup>st</sup> Week	3	nucleus	to follow									
July	2 <sup>nd</sup> Week	3	nucleic Acids	the students are advised to follow the reference books	Preparation of notes								
July	3 <sup>rd</sup> Week	3	Replication of DNA										
July	4 <sup>th</sup> Week	3	Type of RNA										

Signature of the Lecturer

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Signature of the Principal

COMMISSIONERATE OF COLLEGIATE EDUCATION, T.S.

**ANNUAL CURRICULAR PLAN (LECTURER WISE) : 20 - 20**

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department :

Name of the Lecturer :

Class :

Year :

Paper :

Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided/ Taught	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	
August	1 <sup>st</sup> Week	3	chromosome										
August	2 <sup>nd</sup> Week	3	chromosome karyotype special treatment										
August	3 <sup>rd</sup> Week	3	chromosomes										
August	4 <sup>th</sup> Week	3	cell Division										

Signature of the Lecturer 

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COMMISSIONERATE OF COLLEGIATE EDUCATION, T.S.

**ANNUAL CURRICULAR PLAN (LECTURER WISE) : 20 - 20**

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department :

Name of the Lecturer :

Class :

Year :

Paper :

Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided / Taught	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	
September	1 <sup>st</sup> Week	3	Meiosis	by resource book	prepared								
September	2 <sup>nd</sup> Week	3	Mendalism	resource	prepared								
September	3 <sup>rd</sup> Week	3	Gene Interactions	follow the resource	prepared								
September	4 <sup>th</sup> Week	3	Dasara vacation <del>Linkage</del> <del>crossing over</del>	follow the resource	study material prepared								

Signature of the Lecturer *Compu*

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**ANNUAL CURRICULAR PLAN (LECTURER WISE) : 20 - 20**

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department :

Name of the Lecturer :

Class :

Year :

Paper :

Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided/ Taught	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	
October	1 <sup>st</sup> Week		<del>Mutations</del> Dasara Vacations										
October	2 <sup>nd</sup> Week		<del>Mutations</del> Dasara Vacations										
October	3 <sup>rd</sup> Week		Mutations		Study material preparation								
October	4 <sup>th</sup> Week		Da Mutations										

Signature of the Lecturer *Genuy*

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Sri Rama Bhakta Gentela Narayana Rao Govt. Arts & Science College

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COMMISSIONERATE OF COLLEGIATE EDUCATION, T.S.

**ANNUAL CURRICULAR PLAN (LECTURER WISE) : 20 - 20**

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department :

Name of the Lecturer :

Class :

Year :

Paper :

Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided / Taught	Curricular Activity				Co-Curricular Activity				Remarks
					Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	
November	1 <sup>st</sup> Week		Gene Expression										
November	2 <sup>nd</sup> Week		Gene Expression										
November	3 <sup>rd</sup> Week		Extra nuclear Genome										
November	4 <sup>th</sup> Week												

Signature of the Lecturer 

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**S R & B G N R GOVT. ARTS & SCIENCE COLLEGE, KHAMMAM-507 002.**  
**(AUTONOMOUS)**



# **CURRICULAR PLAN**

**2018 - 2019**

**DEPARTMENT OF** BOTANY

**PAPER - V**

COMMISSIONERATE OF COLLEGIATE EDUCATION, T.S.

**ANNUAL CURRICULAR PLAN (LECTURER WISE) : 2018 - 2019**

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department : Botany

Name of the Lecturer : S. Babu

Class : IMB, BCB, B24 Year : III

Paper : VI

S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided / Taught <small>Ref - Text books</small>	Curricular Activity				Co-Curricular Activity				Remarks
						Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	
1	July	1 <sup>st</sup> Week	07	Eco system Concept o f Ecosystem, Energy flow food chains	to follow the reference text books along with telugu academy Botany text book		Two hours per week	-		Unit wise model questions given		-		
2	July	2 <sup>nd</sup> Week		Food webs, Ecological pyramid Carbon & Phosphorus cycle	advised to follow the reference text books along with telugu academy Botany text book	preparat onat notes	Two hours per week	-		Unit wise model questions given	one day for each topic of the unit	yes -		
3	July	3 <sup>rd</sup> Week		Nitrogen cycle	the students are advised to follow the reference text books along with telugu academy Botany text book	preparat onat notes	Two hours per week	Yes -		Unit wise model questions given	one day for each topic of the unit	-		
		02		Hydrophytes + mangroves Xero phytes -	the students are advised to follow the reference text books along with telugu academy Botany text book	preparat onat notes	Two hours per week	-		Unit wise model questions given	one day for each topic of the unit	-		
4	July	4 <sup>th</sup> Week	02	Natality, mortality & Growth curves EC typy + ECads Frequency + density	the students are advised to follow the reference text books along with telugu academy Botany text book	preparat onat notes	Two hours per week	-		Unit wise model questions given	one day for each topic of the unit	-		

Signature of the Lecturer

Signature of the Department I/C

Signature of the Principal

Sri Rama Bhakta Gentela Narayana Rao Govt. Arts & Science College



COMMISSIONERATE OF COLLEGIATE EDUCATION, T.S.

ANNUAL CURRICULAR PLAN (LECTURER WISE) : 2018 - 2019

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department : Botany

Name of the Lecturer : S. Babu

Class : I MB, II BC, BXC Year : III EM/IM Paper : VI

S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided / Taught	Curricular Activity				Co-Curricular Activity				Remarks
						Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	
1	Aug-18	1 <sup>st</sup> Week	03	Life forms Biological Spectrum Hydro sere	The students are advised to follow the reference text books along with telugu academy botany textbook			-	-			Assignment		
2		2 <sup>nd</sup> Week	01	Xerose		preparation of notes								
			02	primary productivity (GPP, NPP) Secondary productivity (P/P)				yes	-					
3		3 <sup>rd</sup> Week	04	Concept of Biodiversity, Types of Biodiversity Earth Summit			Two hours per week							
4		4 <sup>th</sup> Week	01	Conventions on Biodiversity	Unit wise model questions given									
			04	level of Biodiversity Threats of Biodiversity								Assignment		

Signature of the Lecturer

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COMMISSIONERATE OF COLLEGIATE EDUCATION, T.S.

**ANNUAL CURRICULAR PLAN (LECTURER WISE) : 2018 - 2019.**

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department :

Name of the Lecturer : S. Babu

Class : BMB, B.C.C, B.A

Year : III ERO/SM

Paper : VI

S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided/ Taught	Curricular Activity				Co-Curricular Activity				Remarks	
						Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date		
	Sep-18														
1		1 <sup>st</sup> Week		Value of Biodiversity Aesthetic value	The students are advised to follow the reference textbooks along with a cademy Botany textbooks			-	-	Questions	topic	-	-		
			03	Concept of Endemism								-	-		
2		2 <sup>nd</sup> Week		Hot spots of India - North - East Himalayas Western Ghats				Yes	-	wise model	each	Assignment	-	-	
			03	Concept of Agro Biodiversity											
3		3 <sup>rd</sup> Week		Varibor Centers Varibor centers of crop plants											
			05	Conservation - Insitu											
4		4 <sup>th</sup> Week		Exsitu conservation IUCN - Threats - Categories Red Data Book					Just wise model given	one day for each of the Unit	Assignment	-	-		

Signature of the Lecturer

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**ANNUAL CURRICULAR PLAN (LECTURER WISE) : 2018 - 2019**

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department :

Name of the Lecturer : S. Babu

Class : III B.C.A., B.Sc

Year : III E/P/M

Paper : VI

S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided / Taught	Curricular Activity				Co-Curricular Activity				Remarks		
						Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date			
1	Oct-18	1 <sup>st</sup> Week	03	Threatened and endangered plants & animals IUCN UNEP	The students are advised to follow the reference textbooks along with Telugu academy Botany text book											
2		2 <sup>nd</sup> Week		NWF + NBPGA			Yes									
3		3 <sup>rd</sup> Week					Two hours									
4		4 <sup>th</sup> Week														

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Sem-VI (DSE)

COMMISSIONERATE OF COLLEGIATE EDUCATION, T.S.

## ANNUAL CURRICULAR PLAN (LECTURER WISE) : 2018 - 2019

Name of the College : S.R. &amp; B.G.N.R. Govt. Arts &amp; Science, College, KHAMMAM.

Name of the Department : Botany

Name of the Lecturer : S. Babu

Class : DMS, BCBC, BSC Year : III BSc

Paper : Elective

Sl. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided / Taught	Curricular Activity				Co-Curricular Activity				Remarks
						Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	
1	Jan-19	1 <sup>st</sup> Week	3hrs	Tissue culture pro calli, micropropagation	The students are advised to follow the reference text books along with telugu academy text book		Two hours per week		-	Unit wise model questions				
2		2 <sup>nd</sup> Week	3hrs	organo culture root, shoot, leaf culture,		preparation of nodes			yes.					
3		3 <sup>rd</sup> Week	3hrs	ovule + Embryo culture						Unit wise model questions given.				
4		4 <sup>th</sup> Week	03	Callus culture; cell culture protoplast culture						one day for each topic of the unit				

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ANNUAL CURRICULAR PLAN (LECTURER WISE) : 2018 - 2019

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department : Botany

Name of the Lecturer : S. Babu

Class : B2c, IIB, BCB Year : III Year

Paper : Elective

S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided/ Taught	Curricular Activity				Co-Curricular Activity				Remarks
						Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	
	Feb-19-													
1		1 <sup>st</sup> Week	03	Somatic hybrids Cybrids	Students are advisable to the science textbook along with the Telugu & English textbooks.									
2		2 <sup>nd</sup> Week	03	Cybrids, production of pathogen free plants Somaclonal variations	Students are advisable to the science textbook along with the Telugu & English textbooks.									
3		3 <sup>rd</sup> Week	03	production of stress resistant secondary metabolites Synthetic seeds	Students are advisable to the science textbook along with the Telugu & English textbooks.									
4		4 <sup>th</sup> Week	02	Applications of T.C. production of hairy root	Students are advisable to the science textbook along with the Telugu & English textbooks.									

Signature of the Lecturer

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COMMISSIONERATE OF COLLEGIATE EDUCATION, T.S.

**ANNUAL CURRICULAR PLAN (LECTURER WISE) : 2018 - 2019**

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department : *Botany*

Name of the Lecturer : *S. Babu*

Class : *B2C, B4C, TMS* Year : *II*

Paper : *Elective*

S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided/ Taught	Curricular Activity				Co-Curricular Activity				Remarks
						Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Whether Conducted	If not, alternate date	
1	<i>March 19</i>	<i>1<sup>st</sup> Week</i>	<i>02</i>	<i>Applications of products of secondary metabolites.</i>	<i>The students are advisable to follow the reference textbooks along with Tenny Academy textbooks</i>	<i>preparation of notes</i>	<i>Two hours per week</i>			<i>Unit wise model questions given</i>				
2		<i>2<sup>nd</sup> Week</i>	<i>03.</i>	<i>Biotechnology, History scope, Application of B.T.</i>	<i>The students are advisable to follow the reference textbooks along with Tenny Academy textbooks</i>	<i>preparation of notes</i>	<i>Two hours per week</i>	<i>Yes</i>		<i>Unit wise model questions</i>	<i>one day for each topic of the unit</i>	<i>Assignment</i>		
3		<i>3<sup>rd</sup> Week</i>	<i>02.</i>	<i>r-DNA Technology, gene cloning, enzymes</i>	<i>The students are advisable to follow the reference textbooks along with Tenny Academy textbooks</i>	<i>preparation of notes</i>	<i>Two hours per week</i>	<i>Yes</i>		<i>Unit wise</i>	<i>one day for each topic of the unit</i>			
4		<i>4<sup>th</sup> Week</i>	<i>02</i>	<i>ligases, polymerases. Applications of r-DNA technology</i>	<i>The students are advisable to follow the reference textbooks along with Tenny Academy textbooks</i>	<i>preparation of notes</i>	<i>Two hours per week</i>	<i>Yes</i>		<i>Unit wise</i>	<i>one day for each topic of the unit</i>			

*[Signature]*  
Signature of the Lecturer

*[Signature]*  
Signature of the Department I/C  
Sri Rama Bhakta Gentela Narayana Rao Govt. Arts & Science College

Signature of the Principal

COMMISSIONERATE OF COLLEGIATE EDUCATION, T.S.

ANNUAL CURRICULAR PLAN (LECTURER WISE) : 2018 - 2019

Name of the College : S.R. & B.G.N.R. Govt. Arts & Science, College, KHAMMAM.

Name of the Department : Botany

Name of the Lecturer : S. Babu

Class : B2C, BTBC, BMS

Year : III BSc

Paper : Elective

S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input/ Value Addition Provided/ Taught	Curricular Activity				Co-Curricular Activity				Remarks
						Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	Activity Conducted	Hours Allotted	Wheather Conducted	If not, alternate date	
	April 19.													
1		1 <sup>st</sup> Week	02	Gene cloning vectors plasmid, cosmids	Students are advised to follow the reference textbooks along with telugu academy textbooks	preparation of notes	Three hours per week			Unit wise model questions given	60 min			
2		2 <sup>nd</sup> Week	02	Gene cloning vectors Bacteriophage, phage mid.	Students are advised to follow the reference textbooks along with telugu academy textbooks	preparation of notes	Three hours per week			Unit wise model questions	one day for each of the unit	Assignment		
3		3 <sup>rd</sup> Week	01	Gene libraries.	Students are advised to follow the reference textbooks along with telugu academy textbooks	preparation of notes	Three hours per week	Yes		Unit wise model questions	one day for each of the unit	Assignment		
4		4 <sup>th</sup> Week	02	method of gene transfer production of transgenic plants	Students are advised to follow the reference textbooks along with telugu academy textbooks	preparation of notes	Three hours per week			Unit wise model questions	one day for each of the unit	Assignment		

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