



Government Degree College, Mahabubabad

ESTD: 1984



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9001:2015 Certified

(Mahabubabad, Mahabubabad (Dist.), Telangana-506101).

Website: <https://gdcts.cgq.gov.in/mahabubabad.edu> e-Mail: wql.jkc.mbad@gmail.com

LIST OF STUDENT ASSIGNMENTS

1. Name of the Department : Botany
2. Name of the Faculty : Dr. T. Ugandhar
3. Course:: B.Sc
4. Group: BZC/BZCA E/M & T/M.

Sl.No	Year /Semester	Topic	Year
1	B.SC IYear/I Sem	<ol style="list-style-type: none">1. Bacteria Structure and reproduction2. General Characters of Algae3. Virus Replication4. Life Cycle of Ectocarpus5. Mycoplasma	2020-21
2	B.Sc. II Year	<ol style="list-style-type: none">1. Types of Merestems.2. Simple Tissues3. Dicot Stem T.S4. Anther transverse Section	2020-21
3	B.Sc. IIIYear	<ol style="list-style-type: none">1. Transpiration and their Mechanism2. Ascent of Sap3. Light Reactions4. Calvin Cycle5. Phyto Hormones	2020-21



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LIST OF STUDENT ASSIGNMENTS

1. Name of the Department : **Commerce**
2. Name of the Faculty: **D. Raju**
3. Course: **B.Com**
4. Group: **B.Com C.A**

S.No	Year /Semester	Topic	Year
		Write about classification of budgets	
1	I Sem	Write the types of Business organizations	2020-21
		Write the features of Joint stock companies	
2	II Sem	Define contract & explain essentials of valid contract	
		Explain about various types contracts	
3	III Sem	Write about various methods calculation of goodwill	
		Draw the format of company final accounts	
4	IV Sem	Write about capital gains with examples	
		Write about income from other sources	
5	V Sem	Solve a problem on secondary distribution of overheads & repeated distribution systems	
		Solve a problem on Process cost	
6	VI Sem	Write objectives of comparative statement & common size statements	
		Explain about funds flow analysis	



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LIST OF STUDENT ASSIGNMENTS :

1. Name of the Department :chemistry
2. Name of the Faculty : K.Venkateshwarlu
3. Course;B.Sc
4. Group :MPC,BZC

Sl.No	Year /Semester	Topic	Year
Sl.No	Year /Semester	Topic	Year

Sl.No	Year /Semester	Topic	Year
1	2020-21/I SEM	Diborane preparations & properties	2020-21
	2020-21	Bengene eletrophilic reactions	2020-21
2	2020-21	Photoelectric effect	2020-21
	2020-21/II SEM	Write basecity of amines	2020-21
	2020-21	Explain r s configuration	2020-21
	2020-21	Explain rate, order	2020-21
3	2020-21/V SEM	Classification of chromatography	2020-21
	2020-21	Solvent extractions types	2020-21
	2020-21	Beer lambert laws	2020-21
	2020-21	TLC applications	2020-21



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LIST OF STUDENT ASSIGNMENTS

1. Name of the Department : Computer Science
2. Name of the Faculty: M.Veeru
3. Course: B.SC

2020-21

Sl.No	Year /Semester	Topic
1	IYr/I-Sem	Programming in "C"
		Generation of Computers
		Block Diagram of Computers
		Classification of Computers
2	Assignment-II	Computer applications
		Structure of C program
		Data types
		Operators
3	I Yr/II-Sem	Control structures
		OOPS USING C++
		OOPS CONCEPTS
		DATA TYPES
4	Assignment-II	CONSTRUCTORS
		INHERITANCE
		FUNCTIONS
		TEMPLATES CLASSES
5	II Yr/III-Sem	EXCEPTION HANDLING
		I/O STREAMS
		DS USING C++
		CONTROL STRUCTURES
		STACK
6	Assignment-II	QUEUES
		LINKED LIST
		TREES
		GRAPHS
		SORTING TECHNIQUES
		SEARCHING METHODS

Sl.No	Year /Semester	Topic	
7	IIYr/IV-Sem	DATABASE MANAGEMENT	
		Assignment-I	ADVANTAGES OF DBMS
			THREE LEVEL ARCHITECTURE
			ER-DIAGRAMS
8	Assignment-II	DATA MODELS	
		SQL COMMANDS	
		JOINS	
		TRANSACTIONS	
9	III Yr/V-Sem	PROGRAMMING IN JAVA	
		Assignment-I	POLYMORPHISM
			DATA TYPES
			CONSTRUCTORS
			INHERITANCE
10	Assignment-II	INTERFACE	
		WRAPPER CLASSES	
		APPLETS	
11	III Yr/VI-Sem	I/O STREAMS	
		“WEB TECHNOLOGIES”	
		Assignment-I	Features of HTML
			Formatting tags, types of lists
			Layouts
Dynamic html			
12	Assignment-II	Cascading style sheets	
		Text flow and box model	
		Document object model	
		Event handling	

1. Characteristics of good tax system
2. Public expenditure and public debate
3. Classification and principles determination of public expenditure
4. Indian public finance
5. GST
6. Public expenditure and public debate
7. Types of budget
8. International trade
9. Role of international trade in economics development
10. WTO
11. Balance of payment and exchange rate
12. Determination of balance of payment
13. IMF
14. FEMA

5th SEMISTER (paper 2)

1. Telangana economy
2. Demographic features of Telangana
3. Social infrastructural development
4. Gross domestic product
5. Poverty and unemployment in telangana
6. Telangana welfare programmes
7. Telangana agriculture sector
8. Machine kakathiya
9. Structure of telangana industry
10. Telangana special economic zone (TSEZ)
11. Service and infrastructure in telangana

2nd SEMISTER

1. National income
2. Importance of macro economics
3. Business cycle
4. Keynes employment theory
5. Inflation

6. Types of inflation
7. M1,M2,M3

4th SEMISTER

1. Indian economy
2. Developed and undeveloped countries
3. Population theory
4. Education and health
5. Indian planning
6. Green revolution
7. NABARD
8. Industrial policies
9. Local variations

6th SEMISTER (paper1)

1. Public finance
2. Public revenue sources
3. CANONS of taxation
4. Characteristics of good tax system
5. Public expenditure and public debate
6. Classification and principles determination of public expenditure
7. Indian public finance
8. GST
9. Public expenditure and public debate
10. Types of budget
11. International trade
12. Role of international trade in economics development
13. WTO
14. Balance of payment and exchange rate
15. Determination of balance of payment
16. IMF
17. FEMA

6th SEMISTER (paper2)

1. Telangana economy
2. Demographic features of Telangana
3. Social infrastructural development
4. Gross domestic product
5. Poverty and unemployment in telangana
6. Telangana welfare programmes



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DEPARTMENT OF ENGLISH

1	B.A./B.Com and B.SC IIYr I Sem	1. Prepositions 2. Phrasal Verbs	2020-21
2	B.A./B.Com and B.SC I Yr I Sem	1. Write on An Astrologer's Day 2. Noun and Pronoun	2020-21
3	B.A./B.Com and B.SC II Yr II Sem	1. Reported Speech : Direct and Indirect 2. Active and Passive 3. Renewable and Non-Renewable Recourses	2020-21
4	B.A./B.Com and B.SC IYr II Sem	1. With the Photographer 2. Grammar : Conjunctions	2020-21

GOVERNMENT DEGREE COLLEGE, MAHABUBABAD

DEPARTMENT OF HISTORY

List of Students Assignments

Name of the Faculty: Dr.B.Hathiram

Group: B.A

S.No	Year/Semester	Topic	Year
1	1 st year 2 nd sem	Chola local Administration System	2020-21
2	2 nd year 4 th sem	Social Religion Reformation movement in india	2020-21
3	3 rd year 5 th sem	Causes of 1 st World war	2020-21
4	3 rd year 5 th sem	Salarjang Reforms	2020-21
5	1 st year 1 st sem	Sources of Indian History	2021-22
6	2 nd year 3 rd sem	Administration systems of shersha	2021-22
7	3 rd year 5 th sem	Unification of Itali	2021-22
8	3 rd year 5 th sem	Unification of Jarmani	2021-22



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LIST OF STUDENT ASSIGNMENTS

1. Name of the Department : Mathematics
2. Name of the Faculty : T. Narahari
3. Course; : BSc
4. Group : MPC/MPCs

Sl.No	Year /Semester	Topic	Year
1	B.Sc I Sem	Maxima / Minima problems	2020-21
2	B.Sc III Sem	Monotonic Sequence	2020-21
3	B.Sc V Sem	Besis Of a Vector Space Theroms / Problems	2020-21
4	B.Sc II Sem	Order 1 Degree 1 DEs	2020-21
5	B.Sc IV Sem	Homomorphisim of Groups/Rings	2020-21
6	B.Sc VI Sem	Numerical Solutions of Order 1 Degree 1 DEs	2020-21



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LIST OF STUDENT ASSIGNMENTS

1. Name of the Department: POLITICAL SCIENCE
2. Name of the Faculty: V. RAJENDER
3. Course; B.A.
4. Group: HEP, HPCA, EPCA

Sl. No	Year/ Semester	Topic	Year
1	I Sem	Nature and scope of the Political theory John Locke social contract theory	2020-21
2	II Sem	St. Thomas Aquinas theory of Justice Rousseau General will	2020-21
3	III Sem	Rajaram Mohan Roy Mahatma Gandhi Non-violence and Satyagraha	2020-21
4	IV Sem	Powers and functions of the Parliament Recent trends in Union State Relation	2020-21
5	V Sem	Functions of the WTO Issues in Nuclear Politics Church state Controversy	2020-21
6	VI Sem	Jeremy Bentham utilitarianism GWF Hegel dialectic materialism Kinds of Terrorism	2020-21



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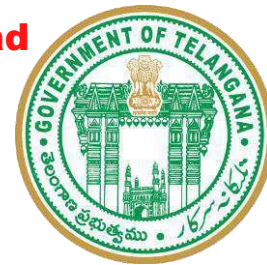
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1. Name of the Department : Physics
2. Name of the Faculty : R.Venugopal
3. Course: : B.Sc Physical Sciences
4. Group : MPC & MPCs.

		<ol style="list-style-type: none">1. With the help of a neat diagram, identify the current components of NPN-transistor. Describe the input and output characteristics of NPN-transistor in the CE configuration.2. What is meant by amplification? How transistor works as an amplifier? Explain the working and frequency response of RC coupled amplifier.3. State and prove de-Morgan theorems in Boolean algebra.	2020-21
2	II B.Sc MPC/Cs	<ol style="list-style-type: none">1. Define entropy. What are reversible and irreversible processes? Explain with examples. Write a note on entropy change in reversible and irreversible processes.2. State and explain Joule Kelvin effect. Derive expressions for Joule-Kelvin effect for an ideal gas.3. What is blackbody? Explain the energy distribution in the spectrum of a blackbody radiation. State Planck's hypothesis and derive Planck's law for energy distribution in the Blackbody radiation. Show that Wien's and Rayleigh-Jean's laws are special cases in Planck's law.	2020-21

3	I B.Sc MPC/Cs	<ol style="list-style-type: none"> 1. What are transport phenomena in gases? Derive an expression for the coefficient of viscosity of a gas based on kinetic theory. 2. What is adiabatic demagnetization? Explain how this principle is used in producing low temperatures with necessary theory. 3. What is electron gas? State and explain Fermi-Dirac distribution law and apply it to derive an expression for Fermi energy of a system of free electrons. 	2020-21
4	III B.Sc MPC/Cs	<ol style="list-style-type: none"> 1. What is a P-N Junction diode? Explain the formation of depletion layer at P-N junction, change of depletion region in forward and 	



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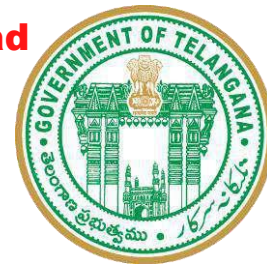
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		<p>reverse bias and the V-I characteristics of a P-N junction diode.</p> <ol style="list-style-type: none"> 2. Deduce an expression for the continuity equation in semiconductors. 3. What is a Zener diode? Explain the V-I characteristics of a Zener diode. Explain how a Zener diode can be used as a voltage regulator? 	
5	II B.Sc MPC/Cs	<ol style="list-style-type: none"> 1. What are Maxwell's assumptions in deriving the Maxwell's law of distribution of velocities and obtain Maxwell's distribution of molecular speed in a gas? Describe an experiment to verify the law. 2. What are thermodynamic potentials? What is their importance? Starting from thermodynamic potentials, derive the Maxwell's thermodynamic equations. Show that $C_p - C_v = R$ for an ideal gas. 3. Explain the principle of regenerative cooling. Explain the method of producing liquid Helium by Kapitza's method. 	2020-21
6	I B.Sc MPC/Cs	<ol style="list-style-type: none"> 1. Define the terms impact parameter and scattering cross section. Obtain expressions for Rutherford's scattering cross section and Rutherford's scattering formula. 2. What is a gyroscope? Explain the principle, construction and working of gyroscope. Give its applications. 3. State the basic postulates of special theory of relativity. Describe the Michelson-Morley experiment and explain the physical significance of the negative result. 	2020-21





B.Com/B.Sc 1 year

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- 1.
- 2.

LIST OF STUDENT ASSIGNMENTS

1. Name of the Department : **ZOOLOGY**
2. Name of the Faculty: **B, VENKATESHWARLU**
3. Course: **BSc**
4. Group: **BZC&BZCA**

	V Sem	Carbohydrates Metabolism	
		Lipid Metabolism	
	VI Sem	Hypersensitivity	
		Stem Cells	
5	I Sem	Echinoderm larvae	2020-21
		Protozoa General characters and classification	
	II Sem	Abiotic Factor-light	
		Animal associations	
	III Sem	Flight Adaptations in Birds	
		Digestive system of Rabbit	
	IV Sem	Chromosomes	
		DNA Structure and functions	
	V Sem	Endocrine system	
		Structure and functions of Heart	
	VI Sem	Water Pollution	
		Pond Eco system	