

2.6 – Student Performance and Learning Outcomes

DEPARTMENT OF ZOOLOGY

PROGRAM OUT COME/PROGRAM SPECIFIC OUT COME/COURSE OUT COME

The various branches of zoology is taught to life science students in three years though six semesters and eight papers in order to make the students have a knowledge about the various systems in non chordates and chordates, ecology, environment , nutrition, culture of fish prawn, honey bees, silkworms, poultry, etc.,.

SEM - I	SEM – II
At the end of the semester, students learn the diseases caused by various Protozoans , Helmenthe sparasites, the digestive and blood circulatory system of annelids and arthropods. The benefits and uses of sea animals are taught.	The importance of food chain,and animal association,communities,bio-geo chemical cycle,lifeprocess,pollution its types and control mechanism are introduced.Wild life sanctuaries and National parks,their conservation are included.
SEM – III	SEM – IV
Digestive, Respiratory,bloodcirculatory, and NERVOUS Systems of non-chordates are studied in comparison to mammals flight adaptation and migration of birds,embryolog are studied.	Cell bodies, DNA and RNA, mendels laws Darwinism and Neo Darwinism Atmosphere are emfherized.
SEM – V	SEM – VI
The whole structure composition of Rabbit in reletion with human body is studied excretory system (kidney)muscles and nervous system of human body along with various hormones, their function are given the uses and importance of nutrient's like lipids, proteins carbohydrates are laid emphasis	Pisciculture, Apiculture ,Sericulture and poultry are included in the syllabus emphoriging their growth and importance I as well as their commercial use.

DEPARTMENT OF ZOOLOGY PROGRAM SPECIFIC OUT COME

- ❖ Higher studies and Research
- ❖ Industry
- ❖ Forest Services
- ❖ Zoological Garden
- ❖ Museum
- ❖ Veterinary Science
- ❖ Clinical technicians




PRINCIPAL
Govt. Degree College
MEDAK - 502 110

DEPARTMENT OF PHYSICS

PROGRAM OUT COME/PROGRAM SPECIFIC OUT COME/COURSE OUT COME

The Undergraduate Course of B.Sc Physics is intended to introduce the fundamental aspect of all branches of Physics to the students. Students learn about different sections of Physics in this three year degree course, basic foundation of their higher studies.

Semester-I(Mechanics)

To impart the knowledge about Gauss Greens Stokes theorems, Motion of Rocket, Newton laws, Kepler laws, multi stage rocket, galiean relativity

Semester II(Waves & oscillations)

To impact the knowledge about torsion pendulum, compound pendulum, lissajous figures, logarithmic decrement, relaxation type, quality factor, over tones, tuning fork

Semester III(Thermodynamics)

To impact the knowledge about T- S diagram, entropy, entropy of universe, specific heats, liquefaction of helium, principle of refrigeration, black body, quantum theory of radiation

Semester IV(Optics)

To impact the knowledge about Lloyd's mirror experiment, cosine law, types of fringes, determination of wave length of mono chromatic light, fraunhoffer diffraction pattern with N – slits, zone plate , comparison of zone plate with convex lens.

Semester V(Electromagnetism & Solid state physics)

To impact the knowledge about gauss law, biot – savarts law – integral form of ampere ' s law faraday law, Lenz law , Maxwell equations , Brewster's angle , polarization of EM waves , dia, para, ferri , ferromagnetic materials , curie ' s law hall coefficient , He – Ne laser, ruby lasers , type-I and type II semi conductors

Semester VI(Modern physics & Basic electronics)

To impart the knowledge about Compton effect, Raman effect , magic numbers, alpha decay, beta decay, gamma ray ,emission, fission and fusion, p- n junction diode , p- n-p and n-p-n transistors, OR, AND, NOT Gates, NAND , NOR as universal Gates, exclusive – OR Gate, Demorgan ‘s law

After perusing B.Sc. – Gen. with physics as combination students will be able to:

1. They have an option to pursue a post-graduation degree in their respective field.

Students can also join non-science master degree courses such as animation, management, computer technology.

2. They can apply as scientific assistant in different research institute.

3. Apply for the govt. jobs like finger print Expert , Inspector r of legal metrology, scientific assistant,

Food & Drug Inspector, where physics as a subject combination in graduation is compulsory

4. Opt for further job based study like MCA, MACHINE LEARNING, and DATA SCIENCE etc




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MEDAK - 502 110

DEPARTMENT OF BOTANY

PROGRAM OUT COME / PROGRAME SPECIFIC OUT COME / COURSE OUT COME

- ❖ Students pursuing the course are eligible for PG course in Botany, Genetics,
- ❖ Environmental Science, Biochemistry, and Forestry etc.
- ❖ Students can appear for Forest Service entrance exams
- ❖ They are oriented for joining different Environment and Nature based Govt. and NGO
- ❖ Ecofriendly projects.
- ❖ They can pursue academic research in esteemed institutes and contribute to the
- ❖ Wellbeing and advancement of society
- ❖ Students can pursue teaching profession in school, college and university
- ❖ Students can pursue professional course like MBA etc.
- ❖ Students are eligible for administrative services (State and Central)

The undergraduate course of B.Sc BOTANY is intended to introduce the fundamental aspect of all branches of Botany to the students, Students learn about different sections of Botany in this three year degree course, basic foundation of their higher studies...

SEMESTER –I BACTERIA

Bacteria structure uses, Archyacteria Actinomycetes and mycoplasma papayaleafcurl, virus structure, TMV and rice tungroo Cynobacteria ocellularia nostoc and anabena volvox, oedogonium chara, ectocarpus polysiphonia albugo mucor penicillium puccinia mushrooms...

Semester –II BRYOPHYTES

Structure, Reproduction marchantia anthoceros poltrichum rhynia lycopodium eqistium marselia pinus gnetum fossils bennitiales... SEMESTER-III TAXONOMY

Classification Bentham and hooker, engler and prantle ICBN annonaceae, rutaceae, fabaceae, cucurbitaceae, apaceae, asteraceae, lamiaceae, amarathaceae, poaceae, ayurvedha, sidda, unani, homeopathy ayush, pippallu, ociumum, turmeric, ashwagandha, amla, pharmacognosy...

SEMESTER-IV EMBRYOLOGY

Meristem tissues leaf stomata achyranthus boerhavia bignonia dracina betavulgaries teak rosewood red sandal neem ovules pollination endosperms palynology...

SEMESTER-V CELLBIOLOGY

Plant cell DNA RNA chromosomes heterochromatin karyotype lampbrush plasmids cell division mitosis meiosis linkage genetic maps M-DNA eucaryotes and prokaryotes lac operon gene expression ecosystem energy flow food chain food web biogeochemical cycle hydrosphere conservation succession biodiversity IUCN red data book WWF and NBPGR ...

SEMESTER-VI PLANT PHYSIOLOGY

Water relations diffusion osmotic transport of water transpiration stomatal structure mineral nutrition stress physiology enzymes photosynthesis Emerson effect C3 cycle C4 cycle CAM cycle glycolysis krebs cycle lipids cytokines Tissue culture biotechnology somaclonal variations scope of application enzymes gene cloning DNA technology...




PRINCIPAL
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MEDAK - 502 110

DEPARTMENT OF MATHEMATICS

DEPARTMENT OF MATHEMATICS PROGRAM OUT COME/PROGRAM SPECIFIC OUT COME/COURSE OUT COME

- ❖ Students will be able to do higher studies in Mathematics.
- ❖ The curiosity in Mathematics will be generated.
- ❖ Better reasoning ability will grow in them.
- ❖ Mathematics may be their career option.
- ❖ The fear over Mathematics will go away.
- ❖ Students may do masters in pure or applied mathematics, Data Science, M.C.A, M.B.A,

B. Stat. They can pursue a career in Data Analysis .They can do PG Certification in Machine Learning and Deep Learning. They can pursue a career in Information and Communication Technology Industry. They can pursue a career in Actuarial Sciences.

A career in Investment Banking can be pursued after B.Sc. in Mathematics. They can build career as Operations Research Analyst. Students with excellent mathematical abilities may join political or military intelligence bodies as cryptanalyst. They can also opt for career in Teaching after B.Sc. in Mathematics.

- ❖ Think in a critical manner
- ❖ Know when there is a need for information to be able to identify,locate,evaluate
- ❖ and effectively use that information for the issue or problem at hand
- ❖ Formulate and develop mathematical arguments in a logical manner
- ❖ Acquire good knowledge and understanding in advanced areas of mathematics and chosen by the student from the given course

Semester I:

Student will able to find successive Differentiation,find Maxima and Minima of function of two variables.find circle,radius and centre of curvature,Asymptotes,Evolutes,Envelopes.

Semester II:

Student will able to extract the solution of Differential Equations of the variable separable,Homogeneous and non homogeneous methods.compute all the solutions of second and higher order linear differential equations with constant coefficients.Form

Partial D.E.Find the solution of first order partial D.E's for some standard types.

Semester III:

Students will be able to define different types of Sequences, Discuss the behavior of the geometric sequence. Prove Properties of convergent and divergent sequences. verify the given sequence is convergent and divergent by using monotonic sequences. Explain subsequences and upper and lower limits of a sequence.

Semester IV:

Students will be able to define Group, sub group, centre, normalize of a group. Find cycles and transpositions of a given permutations. Prove Lagrange's theorem, Define cyclic groups, define normal sub groups, quotient groups, and index of the group. Define homomorphism, kernel of a homomorphism, isomorphism, define rings, zero divisors of a ring, integral domain.

Semester V:

Students will be able to define vector space, quotient space, direct sum, linear span and linear independence, basis, inner product. Discuss the linear transformation, rank, nullity. Solve the system of simultaneous linear equations.

Describe the various forms of equation of a plane, straight line, sphere, cone and cylinder. compute the angle between planes, perpendicular distance from a point to a plane

Semester VI:

Students will be able to find and interpret the gradient, curl, divergence for a function at a given point. interpret line, surface and volume integrals.

Define basic concepts, find the difference of polynomial. solve problems using Newton forward, backward formulas. Derive Simpson's $1/3$, $3/8$ rules using Trapezoidal rule.

SEC Paper: Students will be able to define probability density function, probability distribution. Derive mathematical expansion, binomial, normal distribution. Solve the problems of large samples and small samples. Discuss the moment generating functions. Compute the analysis of variance. one way and two way classifications.




PRINCIPAL
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MEDAK - 502 110

DEPARTMENT OF STATISTICS

After completion of B.Sc. (with Statistics as general subject), students may take admission in Data Science courses in various reputed Universities and also IITs. Presently Data Science has huge scope and career options. Students will also find themselves suitable for Analytics jobs. They will also find themselves suitable for banking sector jobs and other government jobs. Students having combination of Physics and Statistics along with Mathematics can also apply for Atmospheric Sciences. Students of Economics with Statistics as one of their general subjects will also get privilege in getting selected in MS (QE) course of Indian Statistical Institute. Since Actuarial Studies also involve some portions of Statistics, having Statistics in the combination will be helpful in clearing those papers. Those who are passionate about teaching or Research, can definitely go for higher studying Statistics and appear for NET, SET or GATE.




PRINCIPAL
Govt. Degree College
MEDAK - 502 110

DEPARTMENT OF COMMERCE

PROGRAM OUTCOME/ PROGRAM SPECIFIC OUTCOME/COURSE OUTCOME

After completing three years for bachelors in commerce (B.COM) Program, students would gain a through grounding in the fundamentals of commerce and finance. The commerce and finance focused curriculum offers a number of specializations and practical exposures which would equip the student to face the modern day challenges in commerce and business.

SEMESTER I & II

FINANCIAL ACCOUNTING TO impart the knowledge of various accounting concepts to in still the knowledge about accounting procedure methods and techniques BOM On successful completion of this subject the students acquire the knowledge about the various types of business organizations, office management and related. Information technology To impart the knowledge about basics in fundamentals of IT basic internet concept MS WORD, MS EXCEL with JAVA.

SEMESTER III & IV

IN COME TAX To understand the basic concepts and to acquire knowledge about computation of income submission of income tax return tax deducted at source tax collection authority under the income tax act 1961 Business statistics This course aims to provide students with a sound understanding of the statistical principles as well as advanced practical skills in the application of statistics the course beginning with elementary concepts develops to consider advanced concepts such as multivariate regression and time series analysis ,introduction of statistics, measures of central tendency and correlation and probability.

Introduction to C language, data types and I/O operations. Operator's expressions and decision making arrays and strings built in functions and user-defined functions, structures and pointers.

CORPORATE ACCOUNTING to enable the students to develop awareness about corporate accounting in conformity with the provision of companies act and accounting as per Indian accounting standards.

ADVANCED ACCOUNTING to impart the knowledge various accounting concepts, accounting procedures methods and techniques.

SEMESTER V& VI

COST ACCOUNTING To impart knowledge regarding costing techniques. To provide training as regards concepts, procedures and legal provisions of cost audit. To provide knowledge about the concept and principles application of overheads. To provide also understanding various methods of costing and their applications.

BANKING THEORY AND PRACTICE To acquaint the students with the fundamentals of banking. To develop the capability of students for knowing banking concepts and operations. To make the students aware of banking business and practices. To give through knowledge of banking operations. To enlighten the student regarding the new concepts introduced in the banking system. To create the awareness among the students to understand the reforms and other developments in the Indian banking. To provide students insight in to the functions and role of RBI.

COMPANY LAW to impart students with the knowledge of fundamentals of company law. Knowledge of provisions of the companies Act 2013. To apprise the students of new concepts involving in company law regime.

EXCEL FUNDATION introduction to excel work sheet operations tables and formatting, excel files templates printing your work .

E COMMERCE introduction to e commerce framework of e commerce consumer oriented e commerce applications electronics data interchange.

AUDITING : To acquaint themselves about the concept and principles of auditing. Audit process, assurance standards of auditing and tax audit and audit work book, note book, audit papers etc.To get knowledge about preparation of audit report. To get knowledge about preparation of vouchers and the concept of vouching types of vouchers

MANAGERIAL ACCOUNTING : This course aims to develop an understanding of the conceptual frame work of management accounting. The students acquire the knowledge in the management accounting techniques in business decision making.

B.Com. Accounting and Finance is one of the most sought after career-oriented academic programmes offered at the graduation level as it opens up innumerable career options and opportunities for the aspiring professionals and entrepreneurs in terms of employment as well as pursuance of specialized professional

courses such as Chartered Accountancy, Company Secretaryship, Cost Accountancy, M.B.A., C.F.A., and many more.

This programme is intended to enhance employability and encourage self-employment by making the students learn skills of interpreting and preparing books of accounts, be conversant with financial and economic environment and acquire the management skills. The curriculum is designed to impart and develop oral and written communication skills, knowledge on Information Technology and statistical tools as well as orient the students on legalities relating to business.

The Programme also aims to develop and inculcate entrepreneurial skills among the students. In short, this course helps the enrolled students to become more competitive, self-reliant and constructive for self and society's benefit.

Above all, offering this Programme in the morning hours makes it a more coveted one as it allows the students to pursue in addition, various other professional courses/trainings/internship of their own interest.




PRINCIPAL
Govt. Degree College
MEDAK - 502 110

DEPARTMENT OF ECONOMICS

PROGRAMME OUTCOME/ PROGRAMME SPECIFIC OUTCOME/ COURSE OUTCOME

The word Economics was derived from Greek words the oikos (ahouse) and name in (to manage). In other words, the original meaning was household management. It implies using scarce resources carefully to satisfy many ends i.e. economizing.

It is understood that the needs and wants of human beings are unlimited against the scarce of resource. Economics deals with the allocation of resource among their different uses, we know economics resource is scares. Wants leads to efforts, Efforts secure satisfaction. Economics activity is centered round wants, efforts and satisfaction.

Economics is directly related with the social sciences life of human beings. Art sand Social Studies also. Economics has also been given the name of Social Sciences.

The undergraduate course of B.A. with CBCS is intended to introduce the basic, fundamental aspects of all branches of Economics to the students. Students should learn about different section of Economcs in this three year degree course. Students able to understand about household management and they understand how the Economics is very closely related to the human life.

SEMESTER-I MICRO ECONOMICS- I

Micro Economics deals with the analysis of small individual units of the first semester is consumerbehavior this subject matter is behavioral aspect of human being is known as Utility analysis,Production Analysis, Cost and Revenue analysis, Market Structure and Analysis of Business Firm.

SEMESTER-II- MACRO ECONOMICS

Macro Economics is the study of aggregates level of economy like National Income, aggregate levelof demand and supply. Total Employment etc.II semester under Macro Economics topics are theories of Income and Employment, Investment and theories of Interest Rate supply of money and Demand for money and Inflation and Trade cycle. This all topics widelyhelp the students to understand, evaluate the market mechanism.

SEMESTER-III- MICROC ECONOMICS II

3rd semester deals with firm, Revenue and Profit maximization of firm and Industry the students can learn about the innovations and modern technology. This semester belongs to the topics of perfectcompetition and Monopoly. Monopolistic competition and Oligopoly markets then students can aware the pricing strategies and how to distribute income in factors of production.

SEMESTER- IV- Public Economics

With this semester students can aware about the role of state at market mechanism. As a welfare resources of income and expenditure activity of Government, Tax System, Fiscal Policy and Budget pattern also discuss for the students in this topics.

SEMESTER- V - Development Economics- Paper V

This semester gives the knowledge to students about Economic development of our state difference between growth and development. The basic need of human beings and PQLI also. The students can aware about the factors of Economic Development and theories of Economic development and theories of under development also.

SEMESTER- V Indian Economy – Paper VI

About this semester pupils can understand our countries development, structural changes of different sectors. The students know our natural resources and Indian Agriculture. Indian Industry and Services and Indian planning system also.

SEMESTER- VI- International Economics Paper VII

This semester topics are very essential for the students to know about the Global Market and our country's contribution in globalization conditions and terms of trade for international market the trade growth, Trade Barriers, Bottlenecks of trade also important for students to understand the international market and balance of payment also.

SEMESTER- VI- Demography Paper VIII

This paper gives the knowledge population growth and population present condition of our country to our students. Population trends, Fertility, Migration knowledge also pupil can understand.

SEC Paper ENVIRONMENTAL STUDIES for 1st SEM

This is the very essential paper for all group students for all Programmes. Pupil should know about our nature, our atmosphere, our Environmental condition of our state then how to control the pollution also.

GE Paper for B.Com final Year v SEM- Introduction to Indian Economy

The B.Com students also know about our country's economy and students should become one of the responsible citizens and they can actively participate the development of Indian Economy.

GE Paper for B.Com.final year for VI SEM- Sector of Indian economy

With this paper students can know about the Sectorial changes, Sectorial development of our country. And also they know about the state income of all sectors of our country.

- ❖ Pursue higher studies in Economics – post graduation, B.Ed., M.Phil., PhD from
- ❖ premiere institutes in India and abroad.
- ❖ Pursue a career in teaching in Schools and Colleges
- ❖ Pursue academic research
- ❖ Pursue MBA from premiere management institutes in India.
- ❖ Pursue professional courses in Actuarial Science and Chartered Accountancy
- ❖ Job opportunities in the Banking sector and Administrative Services
- ❖ Work as Economic analysts in renowned organizations
- ❖ Entrepreneurial ventures in various fields




PRINCIPAL
Govt. Degree College
MEDAK - 502 110

DEPARTMENT OF ENGLISH

PROGRAMME OUTCOME/ PROGRAMME SPECIFIC OUTCOME/ COURSE OUTCOME

The undergraduate course of English is intended to introduce the basic aspect of English to the students. Students learn about different section of English in this two years degree course, which enables them to understand the language and provide the basic foundation of their higher studies. Overall they develop the skills of language. The English is imparted as first language to first and second year students through four semesters of all streams, Humanities, Science and Commerce with an aim to make students well versed with the language and literature besides making them enriched with soft skills.

I-Semester

To teach the students various aspects of grammar and also literature including poetry, prose, short fiction, drama, play etc. Soft skills are introduced human values are given importance by including a proverb or quote at the end of each unit.

II-Semester

Apart from the above the four basic skills of English, Listening, speaking, reading and writing are introduced to students through pronunciation, Reading passages, Dialogue-Writing, Letter-Writing, Précis-Writing.

III-Semester

This semester focuses on drafting Note-Making, Letter Writing, Report-Writing, how to make various reports. Students learn vocabulary the spelling and pronunciation in British and American accent.

IV-Semester

Employability and Interview skill are stressed – Mock interview, group discussions session, seminars are conducted to prepare the students for future employment. The aim is to make the students fluent in English.




PRINCIPAL
Govt. Degree College
MEDAK - 502 110

DEPARTMENT OF HISTORY

PROGRAMME OUTCOME/PROGRAMME SPECIFIC OUTCOME/COURSE OUTCOME

The undergraduate course of B.A History is intended to introduce the fundamental Knowledge of history to the students. Students will come to learn about overall history from earlier history to modern his i.e. Indian history, World history and Telangana history during these three years degree course. Overall they develop the skills of understanding the history.

SEMESTER- I

To impart the knowledge about Nature and Scope of history, History and its relationship with other Social Sciences, Geographical Feature, Sources of Indian History. Pre- History- Early Stone age as well as about Indus Valley Civilization and Vedic literature, Jainism, Buddhism, Alexander's Invasion, Mauryan Dynasty, Ruling of Ashoka The Great, Satavahana Dynasty, Gupta Empire and Harsh Vardhan's achievements.

SEMESTER- II

To impart the knowledge of South Indian Rulers in which Pallavas, Chalukyas, Rashtrakotas and Chaulas, Bhakti Movements, Arabs conquest of Sindh, Ghaznavi and Ghouri's foundation of Delhi Dynasty, Bhakti and Sufi movements, Kakatiya dynasty, and gave introduction about Vijayanagaramand Behmani rulers.

SEMESTER- III

To impart the knowledge of Mogul dynasty and its rulers, Rise of regional power, Marathas, advent of European power, Anglo French rivalry, Wellsely's subsidiary alliance, Dalhousi's doctrines of lapse, three stages of colonialism, Carnial's permanent revenue system, Thomas Munro and Ryotwari, Decline of Rural Cottage Industries and Urban Handicrafts, Growth of Modern Industry, 1857 Revolt its causes and results.

SEMESTER- IV

To impart the knowledge of Queen's proclamation- beginning of colonial role, Western Education, Role of Christian Missionaries, Lytton and Rippen impact of their policies, Socio Religions reforms movements, (Bhrahma Samaj, Arya Samaj, Theosophical Society, Ramakrishna Mission, Aligarh Movement, Anti Caste Movements, Factors for the rise of nationalism , Formation of Indian National Congress, Three Phases of Freedom Struggle, Revolutionary Movement, Gadhar Party, Bhagath Singh, Chandra Shekhar Azad and others, Rise of Socialist and Communist Parties, Peasant and Workers Movements. Emergence of Communal Politics and Mohd Ali Jinnah, Prelude to Partition of India, Sardar Vallabhai Patel and Integration of Princely States into Indian Union, Republic of India, Jawaharlal Nehru and his policies.

SEMESTER- V

To impart the knowledge about World History, Fall of Constantinople (1453 C.E.), Beginning of Modern Age in Europe, Geographical Discoveries and Scientific Inventions and their impact, Spirit of Humanism, Renaissance, Meaning, Causes and Results, Impact of Renaissance on Europe.

Reformation Movement, Martin Luther, John Calvin and Zwingli, Counter Reformation Movement and Ignatius Loyola, Emergence of Nation States, Causes, Spain, Charles V England, Henry VIII, Glorious Revolution (1688) France under Bourbons, Louis XIV, Era of Enlightened Despotism, Peter the Great and his Policies, Frederick the Great and his achievements, End of Feudalism, Industrial Revolution, Causes for Industrialization, American war, French Revolution, Fall of Napoleon.

To impart the knowledge of elective paper Telangana History: Sources of Telangana History, Geographical Features of Telangana, Pre- history of Satavahana, Post- Satavahana period, in which Ishvakush, Vishnu Kundian, Badami Chalukya, Vemalvada and Madigunda Chalukya, Kakatiya's Origin and early history, Samakka Sarakka Revolt, Masnuri Nayaka Richalla rulers and Qutubshahi dynasty, Political condition in Telangana from 1687 to 1724, Life and time of Sarvaipapanna.

SEMESTER- VI

To impart the knowledge about Congress of Vienna, Principle and impact Metternich and his system, French Revolution, Unification of Italy, Role of Joseph Mazzini, Count Cavour and Garibaldi, Unification of Germany, Role of Bismark, Factors 1st World War and result, Russian Revolution, Causes, Role of Lenin, League of Nation its achievements, Europe between World Wars, Turkey under Mustafa Kamal Pasha, Rise of Fascism in Italy, Role of Masuleni, Hitler and Nazim in Germany, Militarism in Japan, 2nd World War causes and result, Establishment of UNO, Cold War, Indian and

China under Colonial role, Role of Gandhi in Indian Nation Movement, Sun- Yat- Sen and his ideas, Role of Mao-Tse-Tung in Chinese Revolution-1949.

To impart the knowledge about elective paper Telangana history: Foundatin of Asifjahi Dynasty, It's rulers and administration, Social, cultural and political awakening in Telangana, Journalism, Library Movement, Arya Samaj, Ittehadul Muslimeen, Dalit Movement, Mulki non-Mulki issue, Andhra mahila Sabha, Anti Nizam and Anti Feudal Struggles, Razakar and their activity, Police Action 1948, City college incident, Formation of Andhra Pradesh 1956, Discrimination dissent and protest, Agitation for separate Telangana, Formation of various associations, Formation of Telangana Joint Action Committee, its role in the movement, Sakala Janula Samme Million March,Chalo Assembly, Formation of Telangana State June 2014. In addition to this skill enhancement course of Understanding Heritage which will acquire the knowledge of Heritage and Culture and other skill enhancement course Archaeology to impart the knowledge about Archaeology.




PRINCIPAL
Govt. Degree College
MEDAK - 502 110

GOVERNMENT DEGREE COLLEGE : MEDAK
DEPARTMENT OF TELUGU
Program Outcomes

FIRST YEAR

1. To inculcate respect to mother tongue in general and Telugu in specific among the students
2. To educate the students about Telangana history, culture, language and literature.
3. To inculcate human values, women empowerment and to improve imagination power among the students.
4. To give a perfect outlook about classical, modern, post-modern trends in Telugu literature.
5. To motivate to write poetry, stories, literary essays etc.
6. To expose the students to the structural aspects, of the language through grammar.

SECOND YEAR

1. To enlighten the students about the writers of the Telangana region .
2. To inculcate moral values and spiritual outlook through literature.
3. To expose the students to literature created for the upheaval of the suppressed classes, especially Dalits. To explain the glory of the Telangana by texts related to the Heros of Telangana,
4. history of the region and cultural uniqueness of Telangana. To educate the students about the ill effects of modern culture.
5. To inculcate passion for reading
6. To introduce the beauty of prosody in the language in order to make them write poetry metrically.
7. To inculcate passion for writing skills.

Telugu language is Mother Tongue of Telangana. Telugu language was introduced as Second language for U.G. courses. The Department of Telugu is following Common core syllabus, introduced by the Government of Telangana.

Apart from teaching the department is taking active participation in literary and Cultural programmes and different topics to motivate the students. The department is conducting several programmes to initiatives the students for P.G. in Telugu and also Journalism courses. Especially this language is most useful to the students community to get the job opportunity in Print Media, Electronic Media, Radio like F.M. and Local cable Network.

In this regard the department of Telugu, Government degree college, Medak is encouraging the students to study Telugu language in P.G. to development of Communication skills.




PRINCIPAL
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MEDAK - 502 110

DEPARTMENT OF CHEMISTRY

PROGRAM OUTCOME / PROGRAM SPECIFIC OUTCOME / COURSE OUTCOME.

The undergraduate course of B.SC Chemistry is intended to introduce the fundamental aspect of all branches of chemistry to the students. Students learn about different sections of chemistry in this three year degree course, which enables them to identify their area of chemical expertise and provides the basic foundation of their higher studies. They develop laboratory skills, critical thinking and reasoning to address different aspects of chemistry.

SEMESTER I & II

To impart the knowledge about the basics in inorganic, organic, physical & general chemistry. Practical lab exposure to inorganic qualitative analysis.

SEMESTER III

To acquire the knowledge of symmetry, point groups, reaction mechanisms, surface chemistry, nano materials, phase rule, stereochemistry of carbon compounds & practical lab exposure to quantitative analysis. In addition to this, students acquire knowledge of skill enhancement course of safety rules in chemistry laboratory and lab reagents. To familiarize the student to know the basic precautions and safety measures in lab & to prepare standard and different concentration solutions, common reagents that are used regularly in lab.

SEMESTER IV

To impart knowledge about the Coordination chemistry, organo metallic chemistry, Organic named reactions, Electrochemistry, synthetic strategies, pericyclic reactions, asymmetric synthesis. Practical lab exposure to titrations, potentiometric titrations.

SEMESTER V

To acquire the knowledge of clusters, heterocyclic compounds, chemical kinetics, molecular spectroscopy, photo chemistry, solvent extractions, chromatography & electroanalytical methods. practical lab exposure of synthesis of organic compounds and TLC Preparations, Colorimetry, distribution laws.

SEMESTER VI

To acquire the knowledge of Inorganic reaction mechanism, HSAB, carbohydrates, proteins, Thermo dynamics, proton NMR, mass spectrometry, Enzymes , receptors, Drug Action, Drug synthesis ,molecular messengers. Practical lab exposure to Qualitative and spectral analysis of organic compounds. In addition to this, skill enhancement course of chemistry of cosmetics and food processing-which will acquire the knowledge of preparation of cosmetics, perfumes & food Adulterants .




PRINCIPAL
Govt. Degree College
MEDAK - 502 110

DEPARTMENT OF PUBLIC ADMINISTRATION

Program Outcomes and Program Specific Outcomes

S. No.	Program	Program Outcome	Program Specific Outcomes
1	B. A. (EPP) Economics, Public Administration, Political Science	B.A. The expected outcome of the program is to give students a multidisciplinary approach that helps them build their social analytical skills and in pursuing multitasking	<ul style="list-style-type: none"> ● A traditional combination suitable for students from urban and rural background. ● Provides ample opportunities based on the choice of the student and their interest. ● A special emphasis on the learning process involves relating to the National and International development with a sound theoretical background. ● Students with this course can go for higher education towards development studies that are restructured. ● The courses allow BA graduates to pursue higher education <ul style="list-style-type: none"> - Law, Rights and Constitutional Governance, Gender Studies, Development Studies, Disaster Management Education, Social Work, School of Livelihoods and Development, Rural Development.
2	B. A. (HPP) History, Public Administration, Political Science		<ul style="list-style-type: none"> ● A student of HPP is well grounded in the fundamentals of the core subjects namely History, Political science & Public Administration. ● Any decision related to perspectives on the milieu enable them to grasp the realities. ● This is the most critical input and helps in facilitating a spectrum of opportunities in policy making. ● This course is basic to acquire internship in Conservation of Monuments, Indian National Trust for Art and Cultural Heritage (INTACH) and Society for the Promotion of Indian Classical Music And Culture Amongst Youth (SPICMACAY).

B. A. : Course Outcomes

1	PUB 101	Introduction to	CO1	Understand nature, scope of public administration and its relation with other social Sciences
			CO2	To Understand the Classical theories of public administration
			CO3	To understand the human relations theories by various thinkers
			CO4	To understand Socio- psychological approaches by various thinkers
			CO5	To Understand the comparative public administration and development administration theories
2.	PUB 202	Concepts and Principles of Public Administration	CO1	Appreciate the Concepts of Hierarchy, unity of Command, Span of control and the changing paradigms.
			CO2	Appreciate the Concepts of Coordination, Communication, Supervision and the changing paradigms.
			CO3	Understand the Concepts like public relations, Administrative planning of public administration from public perspective.
			CO4	Understand the Concepts like public Policy, New public Management of public administration
			CO5	Understanding the concepts LPG and Good Governance
3.	PUB 303	Central Administration	CO1	Analyze the evolution the Indian Administration and the constitutional framework.
			CO2	Analyze the role of president, prime minister, attorney general, NITI Aayog in the Indian Administration.
			CO3	Understand the Centre-state relations, role of All-India Services and analyze the ARC recommendations.
			CO4	Understand the role of Election Commission, CAG, and UPSC.
			CO5	Understanding the Role of Lokpal, Lokayukta, CVC and Right to information act 2005.
4.	PUB 404	Governance at State and District Level	CO1	Analyze the role of Governor, Chief minister, Advocate General, Council of Ministers, GAD.
			CO2	understanding District Administration and Democratic decentralization
			CO3	Understand the 73 rd and 74 th Amendment Act and analyzing the administration in Telangana.
			CO4	Understand the Centre state agencies of police administration and its reforms.
			CO5	Understanding and analyzing the IT initiatives in administration
5.	PUB 505	Human Resource Management	CO1	Understanding the Nature, Scope, Importance of Human resource Management and Human resource planning
			CO2	Understanding the concepts of office Management, Compensation Management, Functions of HRM.
			CO3	Understand Human resource development, training, performance appraisal and

				Total quality Management.
			CO4	Understand Employee Grievances, Voluntary retirement, Outsourcing and Skill development.
6.	PUB 506	Rural Local Governance	CO1	Understanding the evolution of local organizations and democratic decentralization.
			CO2	Understanding the 73 rd amendment act and role of Panchayats
			CO3	Understanding the structure of panchayat Raj and its finances from state.
			CO4	Understanding and analyzing the rural development programs, role of Cooperatives for rural development.
7.	PUB 607	Financial and Material Resource Management	CO1	Understanding the Meaning, Nature, Scope and Importance of Financial Management.
			CO2	Understanding the concepts, principles, preparation, Enactment of Budget
			CO3	Understand the structure of Finance ministry and functioning of different parliamentary Committees.
			CO4	Understanding the Concepts of material management, procurement, inventory Storage.
8.	PUB 608		CO1	Understanding the evolution of Unban Local bodies with reference to 74 th amendment act.
			CO2	Understanding and analyzing the rural development Strategies, issues and Finances.
			CO3	Understanding the urban development authorities and the services and welfare measures.
			CO4	Understanding District and Metropolitan Committees and Agencies for urban development.




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