

## Programme Outcome with Objectives

### B.A Tamil Literature

Language/Major/Allied/ Non – Major Elective /Skill Based	Programme Paper Title	Programme Outcome - Objectives
<b>SEMESTER I</b>		
Major Paper	,f;fhy ,yf;fpak; (ftpijAk; ciueilAk;)	1.jkpo;kuGf;ftpij GJf;ftpij Kjyhdtw;iw mwpKfg;gLj;Jjy; 2.rpWfij ehty; fl;Liu Kjyhd ,yf;pfa tbtq;fisf;fw;gpj;jy; 3.,f;fhy ,yf;fpaj;jpd; kPjhd <h;g;ig kpFtpj;jy;.
Major Paper	ed;D}y;- vOj;jjpfhuk; (fhz;bifAiu)	1.jkpopd; [e;jpuf;fzq;fSs; Kjyhdtw;iw vOj;jpyf;fzj;ij mwpTWj;jy;. 2.jkpo; nkhop kugwpe;J gpiow vKjTk; NgrTk; toptFj;jy;.
Allied Paper	Clftpay;	1.Clfq;fspd; ghpzhk tsh;r;rpia Clfq;fspd; Njitia czh;j;Jjy;. 2.Clfq;fisg; gad;gLj;j gad;nfhs;s gapw;Wtpj;jy;. 3..Clfj;Jiwfsy; gzptha;g;G ngw khzth;fisj; jahh;g;gLj;Jjy;.
General Paper	kjpg;Gf; fy;tp	1.tho;tpay; jj;Jtk; r%f kjpg;Gk; 2.kdpj chpikfSk; mikg;GfSk; 3.rkfhyj;jpa rthy;fs; 4.NahfKk; MNuhf;fpaKk; 5.khepy muRj; Njh;thizaj;jpd; gq;F.
<b>SEMESTER II</b>		
Major Paper	rpw;wpyf;fpak;	1.rpw;wpyf;fpaj;jpd; gy;NtW tifkfis mwpKfg;gLj;Jjy;. 2. rpw;wpyf;fpaq;fsy; mike;Js;s rkak; rhh;e;j nra;jpfisf; fw;gpj;jy;. 3. rpw;wpyf;fpaq;fsy; cs;s ,yf;pfa eq;fis mwpar; nra;jy;.
Major Paper	ed;D}y;- nrhy;yjpfhuk; (fhz;bifAiu)	1.ehy;tifr; nrhw;fspd; ,yf;fzj;ijf; fw;Wj;jujy;. 2.kuGtopj; jkpo;r; nrhw;nwhlh;fisg; gpiowp; vOjf; fw;gpj;jy;. 3.jkpo;r; nrhw;fspd; Mw;wy; kpF gad;ghl;il mwpar; nra;jy;.
Allied paper	jkpo; ,yf;pfa tuyhW	1.jkpo; ,yf;pfa tuyhw;iwf; fw;gpj;jy;. 2.jkpo; ,yf;pfa E}y;fspd; Njhw;wk; tsh;r;rp Mfpatw;iw mwptp;jy;. 3.jkpo; ,yf;pfaq;fspd; tbt cs;slf;f khw;wq;fisj; njspTg;gLj;Jjy;.
General Paper	Rw;Wr; R+oy; mwptpay;	1.Rw;Wr;#oy; mwptpaypd; gy;Jiw Ma;T mZFKiw

		2.,aw;if tsq;fs; 3.#oy; njhFg;G 4.caphpd tsk; kw;Wk; mjd; ghJfhg;G 5.Rw;Wr;#oy; khRghL.
<b>SEMESTER III</b>		
Major Paper	rpj;jh; ,yf;fpak;	1.kdpj cly; cs;sk; rhh;e;j rpj;jh;fspd; fUj;Jf;fisf; fw;gpj;jy;. 2.kdpj tho;tpay; Fwpj;j rpj;jh;fspd; rpe;jidfisg; gpaw;Wtpj;jy; 3.rpj;jh; ghly;fsfy; mike;Js;s FwpaPL Kjyhd cj;jpfis;f fw;gpj;jy;.
Major Paper	ahg;gUq;fyf;fhhp if (xopgpay; ePq;fyh	1.ahg;gpyf;fzk; fw;gpj;jy; 2.gh tiffisg; gapw;Wtpj;jy; 3.gh ,dq;fisf; fw;Wj;jUjy;
Allied paper	jkpof tuyhWk; kf;fs; gz;ghLk;	1.jkpo; kf;fspd; r%f tuyhw;iwf; fw;gpj;jy; 2.jkpo; kf;fspd; gz;ghl;ilg; gapw;Wtpj;jy; 3.jkpofj;jpy; Vw;gl;l gz;ghL Clhl;lq;fis czh;j;Jjy;. 4.jkpo; kf;fspd; tho;tpay; tpOkpar; rpe;jidfisg; gapw;Wtpj;jy;.
Non - Major	jkpo; eilf; \$Wfs;	1.jkpo; nkhop eilapd; Kf;fpaj;Jj;ijf; fw;gpj;jy; 2. jkpo; eilr; nrk;ikf;Fj; Njitahd gy;NtW FwpaPLfisg; gapw;Wtpj;jy; 3.jkpo;j; njhluikg;G, thf;fpa mikg;G rpwg;gjw;fhd ,yf;fzf; Fwpg;Gfis czh;j;Jjy;.
<b>SEMESTER IV</b>		
Major Paper	rka ,yf;fpak;	1.rka rhh;e;j ,yf;fpaq;fis mwpKfg;gLj;jy; 2.rka ,yf;fpaq;fSf;F ,ilNa epyTk; nghJj; jd;ikfisj; njspTgLj;jy;. 3.rka ,yf;fpaq;fs; typAWj;Jk; rKjha Nkk;ghLr; rpe;jidfis czh;j;Jjy;.
Major Paper	jz;bayq;fhuk;	1.jkpo; ,yf;fpa mzpfsif; fw;gpj;jy; 2.mzpfspd; tiffisAk; , ,yf;fzj;ijAk; gapw;Wtpj;jy; 3.mzp ,yf;fzg; ghpzhk tsh;r;rpiaf; fw;Wj; jUjy;.
Allied paper	gilg;gpyf;fpak;	1.gilg;gpyf;fpaj;jpd; gy;NtW \$Wfisf; fw;gpj;jy;. 2.gilg;gpyf;fpa nkhopapd; jdpj;jd;ikfis mwpTWj;jy;. 3.ftpij, ehlfk;, ciueil, rpWfij Mfpatw;wpd; jdpj;jd;ikfisf; fw;Wj;jUjy;.
Non - Major	rpe;jidapay;	1.kdpj r%fj;jpy; rpe;jid Njhd;wp tsh;e;j tuyhw;iwf; fw;gpj;jy; 2.cyfpd; kpfr;rpwe;j rpe;jidahsh;fspd; rpe;jidfisg; gapw;Wtpj;jy;

		3.,e;jpa , jkpor rpe;jidahsh;fspd; r%f; rhh;e;j rpe;jidfis czh;j;Jjy;.
<b>SEMESTER V</b>		
Major Paper	fhg;gpak;	1.jkpo;f; fhg;gpaq;fis mwpKfg;gLj;Jjy;. 2.fhg;gpaq;fs; \$Wk; tho;tpay; mwq;fis czh;j;Jjy;. 3.fhg;gpa ,yf;fpaq;fspd; ,yf;fpar; Ritfisg; gapw;Wtpj;jy;.
Major Paper	mw ,yf;fpak; (jpUf;Fws; ePq;fyhf)	1.jkpo; mw ,yf;fpaq;fisf; fw;gpj;jy; 2.jkpo; mw ,yf;fpaq;fspd; jdpj;jd;ikfis mwpTWj;jy; 3.mw ,yf;fpa fhyj;jpd; r%f, murpay;, nghUshju; gpd;dzpia czh;j;Jjy;.
Major Paper	jpUf;Fws;	1.jpUf;Fws; Rl;Lk; mwq;fisg; gapw;Wtpj;jy;. 2.jpUf;Fws; cs;s mofpay; \$Wfisf; fw;gpj;jy; 3.cyf mw ,yf;fpaq;fSs; jpUf;Fwspd; ,lj;ij czh;j;Jjy;.
Major Paper	ek;gpafg;ngHUs;	1.mfg;ngHUs; ,yf;fzk; fw;gpj;jy; 2.goe;jkpopd; mtho;f;if newpfisg; gapw;Wtpj;jy; 3.goe;jkpo; mfkuG ngw;w khw;wq;fisf; fw;gpj;jy;.
Major Based Elective I	ehl;Lg;Gw ,yf;fpak;	1.ehl;Lg;Gw ,yf;fpaq;fspd; rpwg;ig czh;j;Jjy; 2.ehl;Lg;Gw ,yf;fpaq;fspd; mbg;gilg; gz;Gfisf; fw;gpj;jy;. 3.ehl;Lg;Gw ,yf;fpaq;fspy; cs;s rKjhag; gjpTfisg; gapw;Wtpj;jy;.
<b>SEMESTER VI</b>		
Major Paper	gz;ila ,yf;fpak;	1.goe;jkpo; ,yf;fpa tsj;ij czh;j;Jjy; 2.rq;f mfg;Gw ghly; kuGfisg; gapw;Wtpj;jy;. 3.Gw ,yf;fpaq;fs; fhL;Lk; tho;tpay; mwq;fis czh;j;Jjy;.
Major Paper	jkpopd; nrk;nkhopg;gz;G fs;	1.cah;jdpr; nrk;nkhopapd; gz;Gfis khzth; kdjpy; gjpaitj;jy;. 2.nrt;tpay; ,yf;fpaq;fis mwpap; nra;jy;. 3.jkpo;nkhopapd; njhd;ik, rpwg;G, ,yf;fpa tpOkpaq;fs; Mfpadtw;iwf; fw;gpj;jy;.
Major Paper	Gwg;ngHUs; ntz;ghkhiy	1.Gwg;ngHUs; ,yf;fzk; fw;gpj;jy;. 2.goe;jopouJ Nghh; newpfisg; gapw;Wtpj;jy;. 3.njhy;fhg;gpag; Gwj;jpizfspy; epfo;e;j khw;wq;fis mwpTWj;jy;.
Major-Based Elective II	jkpo; nkhop tuyhW	1.jkpo;nkhopapd; njhd;ikia czh;j;Jjy;. 2.jkpo;nkhopapy; fhye;NjhWk; tsh;e;J te;Js;s tuyhw;iwf; fw;gpj;jy; 3.jkpopy; nrhw;ngHUs; , njhlh; mikg;gpy; Vw;gl;Ls;s khw;wq;fisg; gapw;Wtpj;jy;.
Major-Based Elective III	fy;ntl;bay;	1.jkpopd; njhd;ikiar; rhd;WfSld; gapw;Wtpj;jy;. 2.fy;ntl;Lf;fs; topg; goe;jkpoh; tuyhw;if; fw;gpj;jy;. 3.fy;ntl;Lf;fs; top jkpo;g; gz;ghl;bd; nrOikiag; gapw;Wtpj;jy;.

## B.A English Literature

Language/Major/ Allied/ Non – Major Elective /Skill Based	Programme Paper Title	Programme Outcome - Objectives
<b>SEMESTER I</b>		
Major Paper	Prose	<ol style="list-style-type: none"> <li>1. To introduce learners to the evolution of English prose from the Elizabethans to the 20<sup>th</sup> Century</li> <li>2. To expose learners to various style of prose writers.</li> <li>3. To train learners to imitate and improve their style of writing.</li> </ol>
Major Paper	Short Stories	<ol style="list-style-type: none"> <li>1. To expose learners to short story Writing over the Centuries</li> <li>2. To provide learners an insight into different culture.</li> <li>3. To provide Learners appreciate different theme, strategies and techniques employed by the writers</li> </ol>
Allied paper	Social History of England	<ol style="list-style-type: none"> <li>1. To help learners understanding the social and literary history of England from the Middle Ages to the 20<sup>th</sup> century.</li> <li>2. To make learners aware of the relation between socio - political and socio - religious events and literary words</li> </ol>
General Paper	Value Education	<ol style="list-style-type: none"> <li>1. Philosophy of Life and Social Values</li> <li>2. Human Rights and Organisations</li> <li>3. Human Rights : Contemporary Challenges</li> <li>4. Yoga and Health</li> </ol> <p style="margin-left: 0;">Role of State Public Service Commission</p>
<b>SEMESTER II</b>		
Major Paper	Poetry - I	<ol style="list-style-type: none"> <li>1. To introduce learners to the changing trends in English poetry from the Age Renaissance to Johnson</li> <li>2. To help learner's analyses and appreciates poetry critically.</li> </ol>
Major Paper	Fiction	<ol style="list-style-type: none"> <li>1. To make learners understand different forms of novel from the Age of Tennyson to the 20<sup>th</sup> Century.</li> <li>2. To enable learners to identify diverse fictional themes and techniques.</li> <li>3. To help learners improve their creative and imaginative faculties through the novels of major British writers.</li> </ol>
Allied paper	Literary Forms	<ol style="list-style-type: none"> <li>1. To initiate learners into the study of various literary.</li> <li>2. To enable learners understand the literary terms while analyzing and interpreting works of Literature.</li> </ol>

General Paper	Environmental Studies	<ol style="list-style-type: none"> <li>1. The Multidisciplinary nature of environmental studies</li> <li>2. Natural Resources: Renewable and non-renewable resources</li> <li>3. Ecosystems</li> <li>4. Biodiversity and its conservation</li> <li>5. Environmental Pollution</li> <li>6. Social Issues and the Environment</li> <li>7. Human Population and the Environment</li> </ol>
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<b>SEMESTER III</b>		
Major Paper	Poetry - II	<ol style="list-style-type: none"> <li>1. To enable learners to comprehend the salient features of various types of poetry from the Romantics up to T.S Eliot.</li> <li>2. To make learners sharpen their poetic sensibility and stylistic skills.</li> </ol>
Major Paper	One - Act Plays	<ol style="list-style-type: none"> <li>1. To help learners understand the salient features of one act plays.</li> <li>2. To make learners comprehend and appreciate various cultures varieties of presentation in the respective texts.</li> <li>3. To expose learners to the sociological and psychological dimensions of characterization.</li> </ol>
Allied paper	History of English Literature - 1	<ol style="list-style-type: none"> <li>1. To help learners aware of the literary history of the texts from the Age of Chaucer to Dryden.</li> <li>2. To make learners understand the rise and fall of literary movements and their relationships to socio - political and socio - religious events.</li> </ol>
<b>SEMESTER IV</b>		
Major Paper	Drama	<ol style="list-style-type: none"> <li>1. To introduce learners to the emergence of English Drama from the Elizabethans to the 20th century</li> <li>2. To make learners understand the features of tragedy, comedy of comedy, drama of ideas and absurd play humors, ant sentimental.</li> </ol>
Major Paper	Introduction to Language and Linguistics	<ol style="list-style-type: none"> <li>1. To introduce learners to the history of English language and concepts in phonetics and linguistics.</li> <li>2. To make learners aware of the form and content of language.</li> <li>3. To enable learners to know the scientific systems of the language</li> </ol>
Allied paper	History of English Literature II	<ol style="list-style-type: none"> <li>1. To expose learners to the historical background of the literary texts from the Age of Pope to the Present Age.</li> <li>2. To make learners understand the rise and fall of literary . relationships to socio-political and socio-religious events movements and their</li> </ol>

**SEMESTER V**

Major Paper	Shakespeare	<ol style="list-style-type: none"><li>1. To introduce learners to the dramatic and theatrical conventions of Shakespeare.</li><li>2. To make learners understand the characterization, dramatic and poetic techniques in Shakespearean plays.</li><li>3. To enhance learners' appreciation and enjoyment of select plays of Shakespeare.</li></ol>
Major Paper	Principles Of Literary Criticism	<ol style="list-style-type: none"><li>1. To acquaint learners with the knowledge of history of literary criticism, its various trends and schools.</li><li>2. To help learners apply literary theory to texts in order to enrich their understanding and appreciation of literature.</li><li>3. To make learners understand Wilbur Scott's five approaches to literature.</li></ol>
Major Paper	American Literature	<ol style="list-style-type: none"><li>1. To introduce learners to important aspects in various genres of American literature</li><li>2. To help learners get acquainted with the richness of American literature through representative works of poets, essayists and novelists</li></ol>
Major Paper	Indian Culture and Literature	<ol style="list-style-type: none"><li>1. To make learners understand the rich literary heritage of India</li><li>2. To appreciate the underlying unity among the diverse languages and literatures of India.</li><li>3. To recognize the important contribution of India to world literature.</li></ol>
Major Based Elective I	Translation: Theory and Practice	<ol style="list-style-type: none"><li>1. To familiarize learners with the history and theory of translation.</li><li>2. To introduce learners to the techniques involved in translation.</li><li>3. To make learners translate prose passages from English to Tamil and vice versa.</li></ol>
Soft Skill Development	Soft Skill Development	Today's world is all about relationship, communication and presenting oneself, one's ideas and the company in the most positive and impactful way. This course intends to enable students to achieve excellence in both personal and professional life.

<b>SEMESTER VI</b>		
Major Paper	Indian writing in English	<ol style="list-style-type: none"> <li>1. To make learners aware of the history and the growth of Indian Writing in English.</li> <li>2. To introduce learners to the rich literary tradition in Indian Writing in English.</li> <li>3. To enable learners to appreciate the changing trends in Indian literature in English from pre to post-Independence era.</li> </ol>
Major Paper	Commonwealth Literature	<ol style="list-style-type: none"> <li>1. To introduce learners to the literatures of a few commonwealth countries.</li> <li>2. To enable learners to understand and appreciate various cultures, traditions and mores.</li> </ol>
Major Paper	English Language Teaching	<ol style="list-style-type: none"> <li>1. To expose learners to various approaches and methods, aspects and strategies of teaching English.</li> <li>2. To help learners understand the essential components and concepts of language teaching.</li> </ol>
Major-Based Elective II	Journalism	<ol style="list-style-type: none"> <li>1. To initiate learners into the history of journalism.</li> <li>2. To expose learners to various aspects of journalism.</li> </ol>
Major-Based Elective III	English for Competitive Examinations	<ol style="list-style-type: none"> <li>1. To instill confidence in learners and improve their language skills to face the challenges of a competitive examination</li> <li>2. To equip learners with adequate English language skills to achieve success in competitive examinations</li> </ol>
General Paper	Gender Studies	<ol style="list-style-type: none"> <li>1. To make boys and girls aware of each others strengths and Weakness.</li> <li>2. To develop sensitivity towards both genders in order to lead an ethically enriched life.</li> <li>3. To promote attitudinal change towards a gender balanced ambience and women empowerment.</li> </ol>

### **B.Sc Mathematics**

<b>Language/Major/ Allied/ Non – Major Elective /Skill Based</b>	<b>Programme Paper Title</b>	<b>Programme Outcome - Objectives</b>
<b>SEMESTER I</b>		
Major Paper	Differential Calculus And Trigonometry	<ol style="list-style-type: none"> <li>1. To inculcate the basics of differentiation and their applications.</li> <li>2. To introduce the notion of curvatures, Evolutes &amp; Involutives and polar co-ordinates.</li> <li>3. To understand the basic concepts of Trigonometry</li> </ol>
	Integral Calculus	<ol style="list-style-type: none"> <li>1. To inculcate the basics of integration and their</li> </ol>

Major Paper		<p>applications.</p> <p>2. To study some applications of definite integrals.</p> <p>3. To understand the concepts of Beta, Gamma functions.</p>
Allied paper	Allied Physics Course I	1. To understand basic theories and experiments in Physics.
General Paper	Value Education	<p>5. Philosophy of Life and Social Values</p> <p>6. Human Rights and Organisations</p> <p>7. Human Rights : Contemporary Challenges</p> <p>8. Yoga and Health</p> <p>Role of State Public Service Commission</p>
<b>SEMESTER II</b>		
Major Paper	Differential Equations And Laplace Transforms	<p>1. To know the order and degree of the ODE's.</p> <p>2. To identify some specific methods and solve them.</p> <p>3. To make difference between ODE and PDE.</p> <p>4. To solve some standard methods .</p> <p>5. To know the concept of Laplace transforms and its inverse with applications.</p>
Major Paper	Analytical Geometry 3d	1. To study 3 dimensional Cartesian Co-ordinates system. 2. To enable the students to develop their skill in 3 dimensions.
Allied paper	Allied Physics Practicals I	1. This course is to high light the Modern Physics and digital Electronics.
Allied paper	Allied Physics Practicals I	1. To acquire basic understanding of laboratory technique and to educate and motivate the students in the field of Physics.
General Paper	Environmental Studies	<p>7. The Multidisciplinary nature of environmental studies</p> <p>8. Natural Resources: Renewable and non-renewable resources</p> <p>9. Ecosystems</p> <p>10. Biodiversity and its conservation</p> <p>11. Environmental Pollution</p> <p>12. Social Issues and the Environment</p> <p>7.Human Population and the Environment</p>
<b>SEMESTER III</b>		
Major Paper	Sequences And Series	<p>1. To lay a good foundation for classical analysis.</p> <p>2.To studies the behavior of sequence and series.</p>
Major Paper	Classical Algebra And Theory Of Numbers	<p>1. To lay a good foundation for the study of Theory of Equations.</p> <p>2.To Train the students in operative algebra.</p>
Allied paper	Chemistry I	<p>1. To understand the various theories of coordination chemistry.</p> <p>2. To study the various concepts of resonance and halogen compounds.</p> <p>3. To study the properties of aromatic compounds and organic reactions.</p>



		4. To learn the concepts of solid state chemistry.
<b>SEMESTER IV</b>		
Major Paper	Vector Calculus And Fourier Series	1. To provide the basic knowledge of vector differentiation & vector integration.
Major Paper	Linear Algebra	1. To facilitate a better understanding of vector space.
Allied paper	General Chemistry II	1. To learn the basics of nuclear chemistry and metallic bond. 2. To understand the properties and applications of carbohydrates, amino acids and proteins. 3. To study the basic concepts of polymers, heterocyclic compounds and stereoisomerism.
<b>SEMESTER V</b>		
Major Paper	Numerical Methods With 'C' Programming	1. To introduce the exciting world of programming to the students through numerical methods.
Major Paper	Real Analysis	1. Understand the real number system and countable concepts in real number.
Major Paper	Statics	1. To provide the basic knowledge of equilibrium of a particle.
Major Paper	Numerical Methods With 'C' Programming (P)	1. To introduce the exciting world of programming to the students through numerical methods.
Major Based Elective I	Operations Research/Stochastic Processes	1. To introduce the various techniques of Operations Research.
Soft Skill Development	Soft Skill Development	Today's world is all about relationship, communication and presenting oneself, one's ideas and the company in the most positive and impactful way. This course intends to enable students to achieve excellence in both personal and professional life.
<b>SEMESTER VI</b>		
Major Paper	Abstract Algebra	1. To introduce the concept of Algebra from the basic set theory and Functions, etc.
Major Paper	Complex Analysis	2. Learn about elementary transformation concepts in complex variable.
Major Paper	Dynamics	1. To provide a basic knowledge of the behavior of objects in motion.
Major-Based Elective II	Astronomy/Number Theory	1. To study the mathematical models through ode and difference equations.
Major-Based Elective III	Extension Activities	1. To introduce the exciting world of astronomy to the students.
General Paper	Gender Studies	1. To make boys and girls aware of each others strengths and Weakness. 2. To develop sensitivity towards both genders in order

		to lead an ethically enriched life. 3. To promote attitudinal change towards a gender balanced ambience and women empowerment.
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### B.Sc Physics

Language/Major/ Allied/ Non – Major Elective /Skill Based	Programme Paper Title	Programme Outcome - Objectives
<b>SEMESTER I</b>		
Major Paper	Properties of matter and Acoustics	To identify the characteristics of matter in terms their properties and to know the basic principles of acoustics.
Allied paper	Calculus and Fourier series	1. To learn the basic need for their major concepts . 2. To train the students in the basic Integrations.
General Paper	Value education	9. Philosophy of Life and Social Values 10. Human Rights and Organisations 11. Human Rights : Contemporary Challenges 12. Yoga and Health Role of State Public Service Commission
<b>SEMESTER II</b>		
Major Paper	Mechanics	An attempt is made to give a better insight of the change of position of any physical object or event and their consequences.
Practical	Core Practical I	To motivate and educate the students to acquire skill in physics Experiments.
Allied paper	Algebra ,Analytical Geometry (3D) Trigonometry	1. To learn the basic concepts of Algebra 2. To learn the basic needs Trigonometry
Allied Paper	ODE, PDE Laplace Transform and vector Analysis	1. To learn the basic needs for their major concepts 2. To train the students in PDE and Laplace Transforms
General Paper	Environmental Studies	13. The Multidisciplinary nature of environmental studies 14. Natural Resources: Renewable and non-renewable resources

		<p>15. Ecosystems</p> <p>16. Biodiversity and its conservation</p> <p>17. Environmental Pollution</p> <p>18. Social Issues and the Environment</p> <p>7. Human Population and the Environment</p>
<b>SEMESTER III</b>		
Major Paper	Thermal Physics	To understand the phenomena connected with heat as radiation, conduction, different thermal capacities of substances and the converse process of making heat to do mechanical work.
Allied paper	Chemistry I	<p>1. To understand the various theories of coordination chemistry.</p> <p>2. To study the various concepts of resonance and halogen compounds.</p> <p>3. To study the properties of aromatic compounds and organic reactions.</p> <p>4. To learn the concepts of solid state chemistry.</p>
Non - Major	Sindhanaiyal	
<b>SEMESTER IV</b>		
Major Paper	Electricity , Magnetism and Electromagnetism	This course provides an in depth coverage of behavior of stationary electric charges, electricity, magnetism and how they are connected.
Practical	Practical II	To enhance the knowledge in experimental physics.
Allied paper	Chemistry II	<p>1. To learn the basics of nuclear chemistry and metallic bond.</p> <p>2. To understand the properties and applications of carbohydrates, amino acids and proteins.</p> <p>3. To study the basic concepts of polymers, heterocyclic compounds and Stereoisomerism.</p>
<b>SEMESTER V</b>		
Major Paper	Optics	To familiarize the fundamental laws concerning reflection, refraction, interference, diffraction, polarization, spectrum and allied phenomena.
Major Paper	Atomic and Molecular Physics	The purpose is to understand the outgrowth of the structure, extra nuclear part of the atom and origin of the spectra.
Major Paper	Electronics	To enable the students to understand all aspects of electronics in a lucid and comprehensive manner.
Major Based Elective Paper	Material Science	To develop knowledge in material science and to understand the relationship between properties and material characteristics.

Soft Skill Development	Soft skill Development	Today's world is all about relationship, communication and presenting oneself, one's ideas and the company in the most positive and impactful way. This course intends to enable students to achieve excellence in both personal and professional life.
<b>SEMESTER VI</b>		
Major Paper	Theoretical Physics	To know the facts and develop a unified and logical treatment of the subject matter with clarity and conciseness.
Major paper	Nuclear Physics	To emphasize the understanding of nuclear forces and models, elementary particles and Accelerators.
Practical	Practical III	To promote scientific temper and to learn physical concepts through these experiments.
Practical	Practical IV	To provide an in-depth knowledge and skill in Electronics, C+ Programming and Micro Processor
Major Paper	Microprocessor And 'C' Programming	The purpose of this course is to introduce students about the key features and implementation of C language and 8085 Microprocessor assembly.
Major-Based Elective II	Communication Physics	To promote scientific temper among students and update the basic functioning of various communication systems.
General Paper	Gender Studies	<ol style="list-style-type: none"> <li>1. To make boys and girls aware of each other's strengths and Weakness.</li> <li>2. To develop sensitivity towards both genders in order to lead an ethically enriched life.</li> <li>3. To promote attitudinal change towards a gender balanced ambience and women empowerment.</li> </ol>

## B.SC CHEMISTRY

Language/Major/Allied/ Non – Major Elective /Skill Based	Programme Paper Title	Programme Outcome - Objectives
<b>I –SEMESTER</b>		
Major Paper	General Chemistry I	1. To learn the periodic properties of elements and its classifications. 2. To understand the theoretical aspects of qualitative and quantitative analyses. 3. To understand the basics of alkenes, reactive intermediates and reaction mechanisms. 4. To learn about the chemistry of cycloalkanes, alkenes and alkynes. 5. To learn about the types, preparation and properties of sols, colloids and emulsions and the determination of molecular weight of macromolecules.
Major Practical	Volumetric Analysis (P)	1. To learn the techniques of titrimetric analyses. 2. To know the estimation of several cations and anions. 3. To know the estimation of total hardness of water.
Allied-Maths-I	Calculus & Fouries Series	1.To learn the basic need for their major concepts 2.To train the students in the basic Integrations
General Paper	Value Education	13. Philosophy of Life and Social Values 14. Human Rights and Organisations 15. Human Rights : Contemporary Challenges 16. Yoga and Health Role of State Public Service Commission
<b>II-SEMESTER</b>		
Major Paper	General Chemistry – II	1. To understand the principles of bonding and theories of chemical bonding. 2. To understand the chemistry of S-block elements and metallurgy of zero group elements. 3. To understand the aromatic character of benzene type molecules and to learn the reaction mechanisms involved in haloalkanes and halo benzenes. 4. To understand about the properties of atoms, characteristics, effect of radiations and the significance of wave functions.
Major Practical	Volumetric Analysis (P)	1. To learn the techniques of titrimetric analyses. 2. To know the estimation of several cations and

		anions. 3. To know the estimation of total hardness of water.
Allied Maths - II	Algebra, Analytical Geometry(3D)Trigonometry	1.To learn the basic concepts of Algebra 2.To learn the basic needs Trigonometry
Allied –Maths - III	Ode, Pde, Laplace Transforms And Vector Analysis	1.To learn the basic needs for their major concepts 2.To train the students in PDE and Laplace Transforms
General Paper	Environmental Studies	19. The Multidisciplinary nature of environmental studies 20. Natural Resources: Renewable and non-renewable resources 21. Ecosystems 22. Biodiversity and its conservation 23. Environmental Pollution 24. Social Issues and the Environment Human Population and the Environment

### III-SEMESTER

Major Paper	General Chemistry – III	1. To learn the chemistry of p-block elements. 2. To study about the preparations and properties of interhalogen compounds. 3. To understand the arrangement of atoms in space, isomers and their nomenclature. 4. To learn about the gas laws, properties of real gases and types of molecular velocities. 5. To learn the types, structure and properties of solids and liquid crystals.
Major Practical	Semi micro Analysis	1. To learn the techniques of semi micro qualitative analysis of inorganic salt mixtures.
Allied	Physics-I	1. To understand basic theories and experiments in Physics.
Non-Major	Chemistry In Every Day Life	1. To learn the scientific and chemical principles underlying in water chemistry, agricultural chemistry, food chemistry, cosmetic and other materials such as drugs, polymers, fibers and dyes.

### IV-SEMESTER

Major Paper	General Chemistry – IV	<ol style="list-style-type: none"> <li>1. To learn the general characteristics of d and f block elements.</li> <li>2. To understand the reactions of organo metallic compounds, alcohols, phenols and ethers.</li> <li>3. To learn about the fundamental concepts of first law of thermodynamics, to relate heat, work and energy and to calculate work from pressure – volume relationships.</li> <li>4. To learn about the fundamental concepts of rate of the reaction, determination of order of the reaction and theories of reaction rates.</li> </ol>
Major Practical	Semi Micro Analysis (P)	1. To learn the techniques of semi micro qualitative analysis of inorganic salt mixtures.
Allied	Physics-II	1. This course is to highlight the Modern Physics and digital Electronics
Non-major	Health Chemistry	<ol style="list-style-type: none"> <li>1. To know the essentials of health and drugs.</li> <li>2. To learn the functions of enzymes, hormones and body fluids</li> <li>3. To know common diseases and their treatment</li> </ol>

### V-SEMESTER

Major Paper	Inorganic Chemistry – I	<ol style="list-style-type: none"> <li>1. To understand the basics and theories of coordination compounds.</li> <li>2. To study a few biologically important coordination compounds.</li> <li>3. To understand the preparation and properties of nitrosyl compounds</li> <li>4. To learn the basic principles and applications of magnetic properties.</li> </ol>
Major Paper	Organic Chemistry – I	<ol style="list-style-type: none"> <li>1. To learn the reactions of carbonyl compounds, carboxylic acids, amines, heterocyclic.</li> <li>2. To know the requirement of the oxidation and reducing agents for synthesis.</li> </ol>
Major Paper	Physical Chemistry – I	<ol style="list-style-type: none"> <li>1. To know the various concepts of photochemistry and group theory.</li> <li>2. To learn the second law of thermodynamics, Carnot cycle, Carnot theorem, entropy, free energy and Maxwell's relations.</li> <li>3. To learn the third law of thermodynamics, Van's Hoff isotherm, Clausius – Chaperon equation and Nernst heat theorem.</li> <li>4. To understand the laws and properties of solutions.</li> <li>5.</li> </ol>

		To learn the fundamental concepts of phase rule and its applications to one, two and three component systems.
Major Practical	Physical Chemistry (P)	1. To learn the fundamentals of conduct metric and potentiometric titrations. 2. To understand the method of determination of molecular weight, CST, TT and rate constant.
Major Paper	Analytical Chemistry / Material & Nano Chemistry	1. To know the storage and handling of various chemicals and first aid procedures. 2. To learn data analysis, various separation techniques. 3. To learn gravimetric analysis and various thermo analytical methods. 4. To learn visible spectrophotometer and colorimetric. 5. To know the various electro analytical techniques.
Major Paper	Material & Nano Chemistry	1. To study the types of ionic crystals and defects in solids. 2. To learn the different kinds magnetic properties. 3. To learn the basic concepts of nonmaterial's and their applications
Skill Based	Soft Skills Development	1. Today's world is all about relationship, communication and presenting oneself, one's ideas and the company in the most positive and impactful way. This course intends to enable students to achieve excellence in both personal and professional life.

<b>VI-SEMESTER</b>		
Major Paper	Organic Chemistry - II	1. To learn the chemistry of carbohydrates, proteins, vitamins, alkaloids and terpenoids. 2. To understand the rearrangements and spectroscopy techniques for the elucidation of structures.
Major Paper	Physical Chemistry - II	1. To learn the various concepts of electrochemistry. 2. To know the types and theories of catalysis. 3. To learn the adsorption isotherms. 4. To know the spectroscopic techniques such as IR, UV-visible, Raman and NMR.
Major Practical	Gravimetric & Organic Analysis (P)	1. To learn the techniques of gravimetric analysis. 2. To learn the methods of different organic compounds preparation and analysis.
Major Paper	Nuclear, Industrial Chemistry & Metallic State	1. To know the fundamentals of nuclear chemistry. 2. To understand the applications of nuclear chemistry. 3. To study the metallic bond, theories and applications.



		4. To understand the applications of inorganic polymers.
Major Paper	Polymer Chemistry / Pharmaceutical Chemistry	1. To know the chemistry of polymers. 2. To study the importance of polymers. 3. To study the concepts of polymerization and techniques.
General Paper	Gender studies	1. To make boys and girls aware of each others strengths and weakness. 2. To develop sensitivity towards both genders in order to lead an ethically enriched life. 3. To promote attitudinal change towards a gender balanced ambience and women empowerment.

### B.Sc Microbiology –Programme Outcome with Objectives

Language/Major/ Allied/ Non – Major Elective /Skill Based	Programme Paper Title	Programme Outcome - Objectives
<b>SEMESTER I</b>		
Major Paper	Fundamental of Microbiology	This subject aims to introduce the history and development of Microbiology. The contents of this course will help students understand history, biology of microorganisms, growth and control of microbes. Thus the beginners are rightly exposed to foundation of Microbiology which would lead them towards progressive advancement of the subject.
Allied paper	Biochemistry I	To understand the structure, function and interrelationship of various biomolecular and consequences of deviation from normal
General Paper	Value Education	17. Philosophy of Life and Social Values 18. Human Rights and Organisations 19. Human Rights : Contemporary Challenges 20. Yoga and Health Role of State Public Service Commission
<b>SEMESTER II</b>		
Major Paper	Microbial Metabolism	1. To understand the growth, enzymologist and physiological processes of microbes
Allied paper	Biochemistry II	1. To understand the structure and functions of blood, hormones.

General Paper	Environmental Studies	<p>25. The Multidisciplinary nature of environmental studies</p> <p>26. Natural Resources: Renewable and non-renewable resources</p> <p>27. Ecosystems</p> <p>28. Biodiversity and its conservation</p> <p>29. Environmental Pollution</p> <p>30. Social Issues and the Environment</p> <p>7. Human Population and the Environment</p>
<b>SEMESTER III</b>		
Major Paper	Immunology	1. The aim of the course is to learn about the types of immunity, immune system, antigen, antigen anti-body reaction, hyper sensitivity reaction, immune deficiency disorders and concept of auto and transplantation of immunity.
Allied paper	Biostatistics	1. To find numerical solutions to scientific data.
<b>SEMESTER IV</b>		
Major Paper	Introductory Virology	1. To make the student and learn about the structure, classification, morphology, pathological importance of viruses and viral diseases
Major Paper	Immunology & Introductory Virology (P)	<p>1. To introduce learners to the history of English language and concepts in phonetics and linguistics.</p> <p>2. To make learners aware of the form and content of language.</p> <p>3. To enable learners to know the scientific systems of the language</p>
Allied paper	Bioinformatics And Computer Applications In Biology	1. To study of the inherent structure of biological information
<b>SEMESTER V</b>		
Major Paper	Medical Microbiology	1. To impart the knowledge of medically important human diseases with respect to their causative agent, clinical symptoms, pathogenesis, mode of transmission, prevention and treatment.
Major Paper	Agricultural And Environmental Microbiology	1. Agricultural and Environmental microbiology and their concepts, Plant diseases, Aero microbiology, Aquatic microbiology, disposal of wastes and commercial aspects of soil microbiology.
Major Paper	Molecular Biology And Microbial Genetics	1. To provide the students with the fundamental principles and concepts of prokaryotic genes and genomes, their molecular organization, replication and functioning Isolation of bacterial flora of skin by swab method.
Soft Skill	Soft Skill	Today's world is all about relationship,

Development	Development	communication and presenting oneself, one's ideas and the company in the most positive and impactful way. This course intends to enable students to achieve excellence in both personal and professional life.
<b>SEMESTER VI</b>		
Major Paper	Food Microbiology	1. The subject aims to study about the food micro flora, food fermentations, food preservation, food spoilage, food poisoning and food quality control.
Major Paper	Industrial Microbiology	1. To train the students on bioprocess technology so as to develop them for employment in bioprocess industry. To learn the screening of industrial strains, fomenters, media, fermentation process and downstream process.
Major Paper	Food and Industrial Microbiology	1. Preparation of fermented food – Yoghurt and cheese 2. Screening of bacteria and actinobacteria for antibiotic production 3. Screening of bacteria and actinobacteria for enzyme production
Major-Based Elective II	Recombinant DNA Technology	1. To educate the learners with the fundamental knowledge and importance of recombinant DNA (DNA) technology. To teach the jargons of genetic engineering/ DNA technology as well as the basic tools, techniques and methods employed in gene cloning and gene expression strategies.
Major-Based Elective III	Microbial Biotechnology and Bioethics	1. To provide the first- line knowledge of utilizing microbes for the industrial production of an array of economically viable products possessing a variety of human applications.
General Paper	Gender Studies	1. To make boys and girls aware of each others strengths and Weakness. 2. To develop sensitivity towards both genders in order to lead an ethically enriched life. 3. To promote attitudinal change towards a gender balanced ambience and women empowerment.

### **B.Sc (Computer Science) –Programme Outcome with Objectives**

<b>Language/Major/ Allied/ Non – Major Elective /Skill Based</b>	<b>Programme Paper Title</b>	<b>Programme Outcome – Objectives</b>
<b>SEMESTER I</b>		
Major Paper	Programming in C	1. To impart basic knowledge of Programming Skills in C in language.
Major Paper	Programming in C (P)	1. To Impart Practical Training in C Programming Language.
Allied paper	Algebra And Calculus	1. To lean the basic concepts in the integration 2. To train the students to solve the problems in Theory of Equations
General Paper	Value Education	21. Philosophy of Life and Social Values 22. Human Rights and Organisations 23. Human Rights : Contemporary Challenges 24. Yoga and Health  Role of State Public Service Commission
<b>SEMESTER II</b>		
Major Paper	Programming in C++	1. To impart basic knowledge of Programming Skills in C++ language.
Major Paper	Programming in C++ (P)	1. To Impart Practical Training in C++ Programming Language
Allied paper	Numerical Analysis And Statistics	1. To train the students in the numerical problems 2. To train the students in solving statistical problems
Allied paper	Operations Research	1. To train the students to solve assignment problems, transportation problems 2. To train the students in network problems.
General Paper	Environmental studies	31. The Multidisciplinary nature of environmental studies 32. Natural Resources: Renewable and non-renewable resources 33. Ecosystems 34. Biodiversity and its conservation 35. Environmental Pollution 36. Social Issues and the Environment

		Human Population and the Environment
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<b>SEMESTER III</b>		
Major Paper	Programming in Java	1. To understand the basic concepts of Object Oriented Programming with java language

Major Paper	Programming in Java (P)	1. To Impart Practical Training in Java Programming Language
Allied paper	Principles of Accounting	1. To enable the students to understand the basic principles of accounting.
<b>SEMESTER IV</b>		
Major Paper	Database Systems	1. To provide the basic concepts of the Database Systems including Data Models, Storage Structure, Normalization and SQL.
Major Paper	Database Systems (P)	1. To Impart Practical Training in My SQL
Allied paper	Organizational Behavior	1. To make the students to understand the behavior of employers in an Organization.
Non - Major	Fundamentals of Information Technology	1. To Provide the Basic Concepts in Information Technology

<b>SEMESTER V</b>		
Major Paper	Data Structures and algorithms	1. To understand the concepts of Data Structures and Algorithms
Major Paper	Computer Networks	1. To understand the Design and Organization of Computer Networks
Major Paper	Digital Electronics and Microprocessor	1. To provide an overview about Digital Electronics and Microprocessors
Major Paper	Digital Electronics and Microprocessor (P)	1. To Impart Practical Training related to Digital Electronics and Microprocessors

Major Based Elective – I	Software Engineering /System Analysis and Design/Management Information System	1. To provide knowledge of the various phases of Software Engineering Process
Skill Based	Soft Skills Development	1. Today's world is all about relationship, communication and presenting oneself, one's ideas and the company in the most positive and impactful way. This course intends to enable students to achieve excellence in both personal and professional life.
<b>SEMESTER VI</b>		
Major Paper	Operating Systems	1. To provide the Fundamental Concepts in an Operating System
Major Paper	Programming in PHP	1. To understand the Concepts of PHP and Ajax
Major Paper	Programming in PHP (P)	1. To Impart Practical Training in PHP Programming Language
Major Based Elective – II	Computer graphics/Cloud Computing / Business Process Outsourcing	1. To Impart Practical Training in Computer graphics and Animation related problems.
General Paper	Gender studies	1. To make boys and girls aware of each others strengths and Weakness. 2. To develop sensitivity towards both genders in order to lead an ethically enriched life. 3. To promote attitudinal change towards a gender balance ambience and women empowerment.

**B.C.A. –Programme Outcome with Objectives**

Language/Major/Allied/ Non – Major Elective /Skill Based	Programme Paper Title	Programme Outcome – Objectives
<b>SEMESTER I</b>		
Major Paper	Programming in C	To impart basic knowledge of Programming Skills in C in language.
Major Paper	Programming in C (P)	To Impart Practical Training in C Programming Language.
Allied paper	Algebra And Calculus	1. To lean the basic concepts in the integration 2. To train the students to solve the problems in Theory of Equations
General Paper	Value Education	25. Philosophy of Life and Social Values 26. Human Rights and Organisations 27. Human Rights : Contemporary Challenges 28. Yoga and Health  Role of State Public Service Commission
<b>SEMESTER II</b>		
Major Paper	Programming in C++	To impart basic knowledge of Programming Skills in C++ language.
Major Paper	Programming in C++ (P)	To Impart Practical Training in C++ Programming Language
Allied paper	Numerical Analysis And Statistics	1. To train the students in the numerical problems 2. To train the students in solving statistical problems
Allied paper	Operations Research	1. To train the students to solve assignment problems, transportation problems 2. To train the students in network problems.
General Paper	Environmental studies	37. The Multidisciplinary nature of environmental studies 38. Natural Resources: Renewable and non-renewable resources 39. Ecosystems 40. Biodiversity and its conservation 41. Environmental Pollution 42. Social Issues and the Environment  Human Population and the Environment



**SEMESTER V****SEMESTER III**

Major Paper	Programming in Java	To understand the basic concepts of Object Oriented Programming with java language
Major Paper	Programming in Java (p)	To Impart Practical Training in Java Programming Language
Allied paper	Principles of Accounting	To enable the students to understand the basic principles of accounting.

**SEMESTER IV**

Major Paper	Database Systems	To provide the basic concepts of the Database Systems including Data Models, Storage Structure, Normalization and SQL
Major Paper	Database Systems (P)	To Impart Practical Training in My SQL
Allied paper	Organizational Behavior	To make the students to understand the behavior of employers in an Organization.
Non - Major	Fundamentals of Information Technology	To Provide the Basic Concepts in Information Technology
Major Paper	Data Structures and algorithms	To understand the concepts of Data Structures and Algorithms
Major Paper	Operating System	To provide the Fundamental Concepts in an Operating System
Major Paper	Digital Computer Fundamental	To understand the concepts in Digital Computer System
Major Paper	Computer graphics and animation (p)	To Impart Practical Training in Computer Graphics and Animation related problems

Major Based Elective – I	Computer Graphics /Software Engineering /System Testing	To understand the concepts on basic Graphical Techniques, Raster Graphics, Two Dimensional and Three Dimensional Graphics.
Skill Based	Soft Skills Development	Today's world is all about relationship, communication and presenting oneself, one's ideas and the company in the most positive and impactful way. This course intends to enable students to achieve excellence in both personal and professional life.
<b>SEMESTER VI</b>		
Major Paper	Computer networks	1. To understand the Design and Organization of Computer Networks
Major Paper	Programming in PHP	To understand the Concepts of PHP and Ajax
Major Paper	Programming in PHP (P)	To Impart Practical Training in PHP Programming Language
Major Based Elective – II	Cloud Computing / Business Process Outsourcing /Mobile Computing	To understand the concepts in Cloud Computing and its Security

### B.COM –Programme Outcome with Objectives

Language/Major/ Allied/ Non – Major Elective /Skill Based	Programme Paper Title	Programme Outcome - Objectives
<b>SEMESTER I</b>		
Major Paper	Marketing	1. To enable the students to gain knowledge about marketing and its promotional aspects
Allied paper	Business Management	1. To impart knowledge on the concepts and principles of Management and application of practices in various organization.
General Paper	Value Education	29. Philosophy of Life and Social Values 30. Human Rights and Organisations 31. Human Rights : Contemporary Challenges 32. Yoga and Health Role of State Public Service Commission

<b>SEMESTER II</b>		
Major Paper	Business Accounting	1. To enable the students to know the application of Mathematics and Statistics in business.
Major Paper	Banking Theory Law & Practice	1. To impart knowledge on the theory and practice of Banking and to understand the process of Banking activities.
Allied paper	Business Economics	1.To understand the concepts and application of economic tools in business.
General Paper	Environmental Studies	43. The Multidisciplinary nature of environmental studies 44. Natural Resources: Renewable and non-renewable resources 45. Ecosystems 46. Biodiversity and its conservation 47. Environmental Pollution 48. Social Issues and the Environment 7. Human Population and the Environment
<b>SEMESTER III</b>		
Major Paper	Partnership Accounts	1. To provide students an exposure to understand the practice of Partnership Accounts
Major Paper	Business Law	1. To enable the students to gain knowledge about mercantile law and its importance.
Allied paper	Business Communication	1. To enable the students to write business letters effectively and develop communication skills.
<b>SEMESTER IV</b>		
Major Paper	Cost Accounting	1. To enable the students to know the importance of costing and to understand the basic concepts.
Major Paper	Business Tools For Decision Making	1. To enable the students to know the importance of business tools and its application in decision making.
Allied paper	Company Law	1. To enable the students to know the importance of company law and its provisions.
<b>SEMESTER V</b>		

Major Paper	Corporate Accounting	1. To enable the students to know about accounting procedure in corporate accounting
Major Paper	Auditing	1. To provide students an understanding about the principles and practice of Auditing
Major Paper	Computer Applications In Business	1. To enable the students to know the importance of computer application in business
Major Paper	Management Accounting	1. To enable the students to know the importance of management accounting and its concepts.
Major Based Elective I	(A) Entrepreneurial Development (Or) (B) International Marketing	1. To enable the students to understand the conceptual and applied knowledge about Entrepreneurship.(or) To provide the students theoretical aspects of international business
Soft Skill Development	Soft Skill Development	Today's world is all about relationship, communication and presenting oneself, one's ideas and the company in the most positive and impactful way. This course intends to enable students to achieve excellence in both personal and professional life.
<b>SEMESTER VI</b>		
Major Paper	Financial Management	1. To enable the students to know the principles and practices of managing finance
Major Paper	Income Tax Theory, Law & Practice	1. To enable the students to know the provisions of income tax.
Major Paper	Financial Services	1. To enable the students to know the nature and types of financial services.
Major-Based Elective II	(A) Human Resource Management (Or) (B) International Marketing	1. To enable the students to understand the concepts and principles of Human Resource To enable the students to understand the concepts and principles of Human Resource Management. (or) To enable the students to know the principles and practices of marketing of Services.
Major-Based Elective III	(A) Insurance Management (Or) (B) Investment Management	1. To make the students to understand the principles and practices of Insurance Management. (or) To provide students to know and evaluate the various sources of investments.
General Paper	Gender Studies	1. To make boys and girls aware of each other's strengths and Weakness. 2. To develop sensitivity towards both genders in order to lead an ethically enriched life. 3. To promote attitudinal change towards a gender balanced ambience and women empowerment.

**B.COM (C.A) –Programme Outcome with Objectives**

Language/Major/ Allied/ Non – Major Elective /Skill Based	Programme Paper Title	Programme Outcome - Objectives
<b>SEMESTER I</b>		
Major Paper	Principles of Accountancy	1. To understand the basic principles of accounts and its applications in Business.
Major Paper	Marketing	1. To enable the students to gain knowledge about marketing and its promotional aspects.
Allied paper	PC Packages - I	1. To learn about Computers and to gain practical knowledge and application in Business.
General Paper	Value Education	33. Philosophy of Life and Social Values 34. Human Rights and Organisations 35. Human Rights : Contemporary Challenges 36. Yoga and Health Role of State Public Service Commission
<b>SEMESTER II</b>		
Major Paper	Business Management	1. To impart knowledge on the concepts and principles of Management and application of practices in various organization.
Major Paper	Internet (With Practicals)	1. To learn about Internet and to gain practical knowledge and application in Business.
Allied paper	Pc Packages II	1. To create database and to gain practical knowledge and application in Business.
General Paper	Environmental Studies	49. The Multidisciplinary nature of environmental studies 50. Natural Resources: Renewable and non-renewable resources 51. Ecosystems 52. Biodiversity and its conservation 53. Environmental Pollution 54. Social Issues and the Environment 55. Human Population and the Environment
<b>SEMESTER III</b>		
Major Paper	Financial Accounting	1. To enable the students to know about financial accounting and its concepts.
Major Paper	Business Tools For Decision Making	1. To enable the students to know the importance of business tools and its application in decision making.
Allied paper	Introduction To Oracle And Sql	1. To enable the students to know about oracle and SQL with practical knowledge.
<b>SEMESTER IV</b>		
Major Paper	Cost Accounting	1. To enable the students to know the importance of costing and to understand the basic concepts.
Major Paper	Visual Programming	1. To enable the students to know about the visual

		programming and its applications
Allied paper	Business Law	1. To enable the students to gain knowledge about mercantile law and its importance.
<b>SEMESTER V</b>		
Major Paper	Corporate Accounting	1. To enable the students to know about accounting procedure in corporate accounting
Major Paper	Auditing	1. To provide students an understanding about the principles and practice of Auditing
Major Paper	Entrepreneurial Development	1. To enable the students to understand the conceptual and applied knowledge about Entrepreneurship.
Major Paper	Web Designing	1. To enable the students to understand the conceptual and applied knowledge about web designing.
Major Based Elective I	E – Commerce	1. To make the students to know about e-commerce and its applications
Soft Skill Development	Soft Skill Development	Today's world is all about relationship, communication and presenting oneself, one's ideas and the company in the most positive and impactful way. This course intends to enable students to achieve excellence in both personal and professional life.
<b>SEMESTER VI</b>		
Major Paper	Management Accounting	1. To enable the students to know the importance of management accounting and its concepts.
Major Paper	Income Tax Theory Law & Practice	1. To enable the students to know the provisions of income tax.
Major Paper	Computerized Accounting	1. To make the students to learn about the application of computers in accounting.
Major-Based Elective II	Management Information System	1. To enable the students to learn Management Information System in an Organization.
Major-Based Elective III	Banking Theory Law & Practice	1. To impart knowledge on the theory and practice of Banking and to understand the process of banking activities.
General Paper	Gender Studies	1. To make boys and girls aware of each other's strengths and Weakness. 2. To develop sensitivity towards both genders in order to lead an ethically enriched life. 3. To promote attitudinal change towards a gender balanced ambience and women empowerment.

### B.B.A –Programme Outcome with Objectives

Language/Major/Allied/ Non – Major Elective /Skill Based	Programme Paper Title	Programme Outcome - Objectives
<b>SEMESTER I</b>		

Major Paper	Management Concepts	<ol style="list-style-type: none"> <li>1. To make students understand the basic concepts and principles of management</li> <li>2. To help them acquire the skills needed to become a successful manager</li> <li>3. To enable them to understand the various processes of the management</li> </ol>
Major Paper	Financial Accounting	<ol style="list-style-type: none"> <li>1. To enable learners understand the fundamental concepts of Accounting</li> <li>2. To give them a basic knowledge of accounting principles</li> <li>3. To facilitate them to prepare final Accounts of business and non-trading concerns.</li> </ol>
Allied paper	Managerial Economics	<ol style="list-style-type: none"> <li>1. Promote the ability to understand the basic concepts of Economics</li> <li>2. To give students the capacity to make relevance of economics in business decisions</li> <li>3. To help them be equipped with economic tools for business analysis.</li> </ol>
General Paper	Value Education	<ol style="list-style-type: none"> <li>37. Philosophy of Life and Social Values</li> <li>38. Human Rights and Organisations</li> <li>39. Human Rights : Contemporary Challenges</li> <li>40. Yoga and Health</li> <li>41. Role of State Public Service Commission</li> </ol>
<b>SEMESTER II</b>		
Major Paper	Marketing Management	<ol style="list-style-type: none"> <li>1. To expose students to marketing concepts and trends in the market.</li> <li>2. To promote the ability to relate consumer behavior and market trends.</li> <li>3. To make students realize the relationship between marketing channels and corresponding strategies.</li> </ol>
Major Paper	Mathematics And Statistics For Managers	<ol style="list-style-type: none"> <li>1. To make students understand and the basic mathematical and statistical tools.</li> <li>2. To promote the ability to appropriate statistical techniques in business.</li> <li>3. To help students analyze management problems in research and decision making.</li> </ol>
Allied paper	Business Environment	<ol style="list-style-type: none"> <li>1. To promote basic understanding of the concepts of business environment.</li> <li>2. To provide broad knowledge on domestic and international environment .</li> <li>3. To make learners the impact of environment on business.</li> </ol>
General Paper	Environmental Studies	<ol style="list-style-type: none"> <li>56. The Multidisciplinary nature of environmental studies</li> <li>57. Natural Resources: Renewable and non-renewable resources</li> </ol>

		<p>58. Ecosystems</p> <p>59. Biodiversity and its conservation</p> <p>60. Environmental Pollution</p> <p>61. Social Issues and the Environment</p> <p>62. Human Population and the Environment</p>
<b>SEMESTER III</b>		
Major Paper	Managerial Communication	<p>1. To make students understand the significance and principles of communication.</p> <p>2. To help them acquire adequate skills in business correspondence.</p> <p>3. To enable students to write reports and speeches on topics related to business.</p>
Major Paper	Computer Applications In Business (Theory + Practical)	<p>1. To enable students to understand the basic concepts in computer applications.</p> <p>2. To give in-depth knowledge of documentation through MS Office packages.</p> <p>3. To help them apply various accounting procedures through TALLY software.</p>
Allied paper	Business Law	<p>1. To enlighten the students on the basic principles and legal aspects of business laws.</p> <p>2. To promote the understanding of various legislations relating to business.</p> <p>3. To make them acquire knowledge on the legal aspects in the business environment.</p>
Non – Major	Management Principles	<p>1. To enable students to understand the basic concepts and principles of management</p> <p>2. To help them to acquire the skills needed to become successful managers</p> <p>3. To expose learners to various processes of the management system.</p>
<b>SEMESTER IV</b>		
Major Paper	Organizational Behavior	<p>1. To provide basic knowledge on various models of organizational behavior.</p> <p>2. To expose them to the concepts of motivation and group dynamics.</p> <p>3. To help them acquire interpersonal skills.</p>
Major Paper	Operations Research	<p>1. To understand the scientific methods used in Operations Research and Allocate scarce resources with optimum utilization in production and gain knowledge on replacement decisions.</p>
Allied paper	Production Management	<p>1. To understand the nature and importance of production management.</p> <p>2. Comprehend the principles and areas of application of shop floor management and know the</p>



		operations and skills needed for major decisions in material management.
Non – Major	Banking Practices	1.To promote an understanding of the basic concepts in banking 2. To acquaint learners with the theoretical and legal concepts of banking in India 3. To help them to attain the competencies required for a career in banking services.
Skill Based Elective – 1	Introduction to office Management	

<b>SEMESTER V</b>		
Major Paper	Cost Accounting	1.To understand the basic concepts of cost accounting, Gain knowledge on principles and procedures of cost accounting and apply the costing techniques in different practical situations.
Major Paper	Financial Management	1. To expose learners to various concepts and principles of financial management. 2. To develop in them decision- making skills on various financial matters. 3.To acquaint them with various tools for the management and understanding of finance
Major Paper	Company Law And Secretarial Practice	1. To understand the concept of company law and secretarial practice. 2. Comprehend important elements of company documents and get enlightened on the role of company secretary and the procedures of meetings.
Major Paper	Research Methods In Management	1. To understand the basic theoretical ideas and logic of research. 2. Know about various aspects of research problems and gain thorough knowledge on the development of research projects.
Major Based Elective I	Services Marketing	1. know the various concepts of services marketing 2. To understand the strategies for managing and marketing of services and devise strategies for marketing services in the liberalized business environment.
Soft Skill Development	Soft Skill Development	Today’s world is all about relationship, communication and presenting oneself, one’s ideas and the company in the most positive and impactful way. This course intends to enable students to achieve excellence in both personal and professional life.

<b>SEMESTER VI</b>		
Major Paper	Human Resource Management	<ol style="list-style-type: none"> <li>1. To understand of the basic elements of HRM.</li> <li>2. To gain knowledge on various facets, the policies and practices of HRM and,</li> <li>3. To acquire knowledge on the recent trends in HRM.</li> </ol>
Major Paper	Management Accounting	<ol style="list-style-type: none"> <li>1. Understand the nature and scope of management accounting.</li> <li>2. gain knowledge in the preparation of financial statement analysis, marginal costing, budget, working capital, standard costing and,</li> <li>3. Utilize the management tools and techniques to take appropriate financial decisions.</li> </ol>
Major Paper	Entrepreneurial Development	<ol style="list-style-type: none"> <li>1. Understand the concepts of entrepreneurship development.</li> <li>2. acquire requisite knowledge and skills for becoming successful entrepreneurs and,</li> <li>3. Formulate and develop business projects.</li> </ol>
Major-Based Elective II	Management Concepts In Thirukkural	<p>1. The objective of this course is to expose the students of management studies, Thirukkural the book of wisdom that has stood the test of time for over 2000 years and still remains relevant as a guiding force for the mankind. It was written by Saint Thiruvalluvar who was born near Chennai in 30 BC. Thirukkural has been divided into three major divisions, viz, Virtue, wealth and Love. It has in all 1330 Versa. Only the relevant verses related to contemporary Management Concept is selected for the study.</p>
Major-Based Elective III	Global Business Management	<ol style="list-style-type: none"> <li>1. understand the fundamental concepts of international trade</li> <li>2. Comprehend basic principles of t of MNC and acquire broad knowledge on Global Liberalization and WTO Agreements.</li> </ol>
General Paper	Gender Studies	<ol style="list-style-type: none"> <li>1. To make boys and girls aware of each other's strengths and Weakness.</li> <li>2. To develop sensitivity towards both genders in order to lead an ethically enriched life.</li> <li>3. To promote attitudinal change towards a gender balanced ambience and women empowerment.</li> </ol>

## **Programme Specific Outcomes**

### **Tamil**

After Graduation and Post-graduation in Tamil Language and Literature the qualified students are empowered with:

1. Proficiency in Tamil to write, read and speak constructively and eloquently.
2. Proficiency to construct verses, dramas, short stories, skits, criticism, commentary, historical analysis.
3. An edge to candidates to work in wide variety of areas such as teaching, journalism, translation and interpretation.
4. Eloquence and can serve as guides in foreign tourist centres.
5. The skill to apply in business, science, technology, management and commerce.
6. Research and development initiatives on ancient culture, heritage and traditions.
7. Knowledge and skill for multifaceted job market allied with Tamil and allied language usages.
8. Skill in public speaking, singing, freelance writing and editing.
9. Ability to serve as multimedia reporter, AIR announcer and programmer.
10. Critical skills to appreciate literature and be a mouth piece for social justice in order to safe guard social conscious.
11. Skill in advertising, to work publishing firms, political debate, News media, Door darshan Kendra etc.,

### **English**

1. By reading, English graduates can evaluate ambiguity and complexity, and can articulate with an awareness and curiosity for other perspectives.
2. By writing skills English students can write effectively for a variety of professional and social settings.
3. By the sense of Genre, students can develop an appreciation of how the formal elements of language and genre shape meaning. They can recognize how writers can transgress or subvert generic expectations.
4. English students can gain knowledge of the major traditions of literatures written in English.
5. English graduates by critical Approaches will develop the ability to read works of literary, rhetorical, and cultural criticism, and deploy ideas from these texts in their own reading and writing.
6. English graduate students are able to identify topics and formulate questions for productive inquiry;
7. English students can demonstrate the skills needed to participate in a conversation that builds knowledge collaboratively: listening carefully and respectfully to others'

viewpoints; articulating their own ideas and questions clearly. Students will be able to prepare, organize, and deliver an engaging oral presentation.

8. English graduates by valuing literature, language, and imagination students can develop a passion for literature and language. They can appreciate literature's ability to elicit feeling, cultivate the imagination, and call us to account as humans.

## **Mathematics**

Upon completion of the B.Sc., Mathematics programme, graduate students will be able to:

1. Communicate effectively by oral, written, computing and graphical means.
2. Create a hypothesis and appreciate how it relates to broader theories.
3. Critically interpret data, write reports and apply the basics of rules.
4. Display a range of appropriate general skills including IT competency.
5. Demonstrate skills in the use of computers for control, data acquisition, and data analysis.
6. Develop proficiency in the analysis of complex physical problems and the use of mathematical or other appropriate techniques to solve them.
7. Evaluate hypotheses, theories, methods and evidence within their proper contexts.
8. Function on multidisciplinary teams by working cooperatively, creatively and responsibly.
9. Provide a systematic understanding of the concepts and theories of Mathematics.
10. Select, interpret and critically evaluate information from a range of sources that include books, scientific reports, journals, case studies and the internet.
11. Solve complex problems by critical understanding, analysis and synthesis.

## **Physics**

1. Physics graduates could demonstrate proficiency in concepts on Light, sound, Magnetism, Energy, Electricity, Optics along with Mathematics needed for a proper understanding and applications.
2. Physics graduates could demonstrate knowledge of classical mechanics, electromagnetism, quantum mechanics, and thermal physics, Biophysics, Astrophysics, and be able to apply this knowledge to analyze a variety of physical phenomena.
3. Physics graduates could display laboratory skills, enabling them to take measurements in a physics laboratory and analyze the measurements to draw valid conclusions.
4. Physics graduates could solve complex and diverse problems by recognizing universal physical laws.
5. Physics graduates will be capable doing oral and written scientific communication, and will prove that they can think critically and work independently.

## **Chemistry**

1. Chemistry graduates can demonstrate knowledge of fundamental content in the basic areas of chemistry namely Analytical, Medical Biochemistry, Inorganic, Organic, and Physical.
2. Chemistry graduates can apply basic techniques used in the organic laboratory for preparation, purification and identification of organic compounds.
3. Chemistry graduates can employ the major techniques used in organic chemistry laboratory for analyses such as melting point determination, extraction, chromatography, infrared spectroscopy, distillation and chemical characterization tests.
4. Chemistry graduates can synthesize at least one organic compound and identify the corresponding alteration in the functional groups.
5. Chemistry graduates can calculate reaction yield for relevant experiments.
6. Chemistry graduates can apply safety rules in the practice of Bio-medical, Biochemistry, Industrial chemistry laboratories
7. Chemistry graduates can develop better understanding of the organic chemistry behind everyday observations such as the action of soap, or application of color dyes on variety of fabrics.
8. Chemistry graduates are able to apply core concepts in Materials Science to solve engineering problems.
9. Chemistry graduates can understand the professional and ethical responsibilities of a materials scientist and engineer.
10. Chemistry graduates can derive and apply equations explaining the rate of reactions and derive mechanisms to explain rate equations.

## **Microbiology**

1. To prepare the students with basic knowledge in clinical, immunological, biochemical techniques and on applied microbiology.
2. To develop skill and knowledge of teaching and productive research for solving current problems of the Indian society.
3. To improve the students knowledge especially in Medical Microbiology
4. To imbibe the study of Epidemiology, pathogenesis, Processing, Clinical Diagnosis, Prevention including Vaccine Development of Micro Organisms.
5. To familiarize the students with concepts that is basic to viruses and prokaryotic and eukaryotic cells.
6. The course aims to provide an advanced understanding of the core principles and topics on experimental basis, and to enable students to acquire a specialized knowledge and understanding.
7. The outcome objective of this course is to understand the Mendelian and non-Mendelian modes of inheritance that govern passage of genetic traits across generation and to use this knowledge of inheritance to track alleles through generations and categorize and predict genotypes and phenotypes.
8. To identify factors essential for the growth of microorganisms

### **a) Knowledge/ Cognitive:**

Following Completion of the Microbiology Course students will be able to:

1. Use examples of infections, treatment, and epidemiologic control to compare and contrast the characteristics of prions, viruses, bacteria, protozoans, and multicellular parasites.
2. Explain the dynamics of commensal and pathological relationships that occur between microbes and humans.
3. Evaluate methods of microbial control and apply the proper methods necessary when given a scenario.
4. Briefly describe sample metabolic pathways found in microorganisms and their implications for food production and human disease.
5. Summarize basic bacterial genetic principles and analyze implications for mutation, genetic recombination, and bacterial control.
6. Articulate and diagram the role of the immune system in maintaining homeostasis, challenging infections, and fighting cancer.

**b) Skills/ Psychomotor:**

Following Completion of the Microbiology Course students will be able to:

1. Apply the scientific method by stating a question; researching the topic; determining appropriate tests; performing tests; collecting, analyzing, and presenting data; and finally
2. Correctly perform microbiologic lab skills and display a habit of good lab practices which extends to relevant situations in the student's homes.
3. Attitudes and behavior/ Affective
4. Following Completion of the Microbiology Course students will be able to:
5. Retrieve, evaluate, and use microbiologic information regarding contemporary issues in the world and relevant to their everyday lives

**Computer science**

The B.Sc. (Computer science) students on completion of their course are able to:

1. Provide Technical Support for various systems.
2. Serve as Computer Engineer with enhanced knowledge of computers and its building blocks.
3. Serve as IT Officer in Banks and cooperative societies.
4. Serve as Programmer or Software Engineer with sound knowledge of practical and theoretical concepts for developing software.
5. Serve as System Administrator with thorough knowledge of DBMS.
6. Serve as Web Designer with latest web development technologies
7. Work as Consultant and Management officers for system management.
8. Work as DTP Operator in small scale industries.
9. Work as Hardware Designer/Engineer with knowledge of networking concepts.
10. Work as IT Sales and Marketing person.
11. Work as Support Engineer and Technical Writer
12. Work as Systems Engineer and System integrator

## **Computer Applications**

After Completing Bachelors in Computer Applications (BCA) graduates are able:

1. To enhance their computer literacy, basic understanding of operative systems and a
2. working knowledge of software commonly used in academic and professional
3. environments.
4. To develop standards to organize and present different type of works in academic and
5. professional environments.
6. To organize information efficiently in the form of outlines, charts, etc. using appropriate software.
7. To develop skills to present ideas effectively and efficiently.
8. To design and deliver an effective presentation and developing the various IT skills to electronic databases.
9. To critically analyze a problem using the system analysis.
10. To function effectively on teams to accomplish a common goal, Demonstrate professional behavior.
11. To develop IT-oriented security issues and protocols.
12. To design and implement a web page.
13. To provide improved communication and business management skills, especially in providing technical support.

## **Commerce**

After having completed the UG/PG degree, Commerce graduates are enabled

1. To build a strong foundation of knowledge in different areas of Commerce.
2. To develop the skill of applying concepts and techniques used in Commerce.
3. To develop an attitude for working effectively and efficiently in a business environment.
4. To integrate knowledge, skill and attitude that will sustain an environment of learning and creativity among the students.
5. To expose students about entrepreneurship.
6. To be capable of making decisions at personal and professional level.
7. To develop an ability to apply knowledge acquired in problem solving.
8. To work in teams with enhanced communication and inter-personal skills.
9. For employment in functional areas like Accounting, Taxation, Banking, Insurance and Corporate Law.
10. To start entrepreneurial activities.
11. To inculcate ethical values, team work, leadership and managerial skills.
12. To exhibit inclination towards pursuing professional courses such as CA/ CS/CFA etc.,

## **Business Administration**

BBA graduates can display with the following:

1. Students can demonstrate the fundamentals of creating and managing innovation, new business development, and high-growth potential entities.
2. BBA graduates know and act on the economic trends, fiscal policies and also the different administrative and commerce oriented techniques to deal with the various operations and transactions in the commercial world.
3. BBA graduates can seek out employments in share trading, business corporations, industries, print media, and so on.
4. BBA graduates can work in Government sector or in IT industries.
5. Business Management aspirants can reach the top most designations like Directors, Managers, CEO's and so on in multi-national companies.
6. BBA Students can demonstrate technical competence in domestic and global business through the study of major disciplines within the fields of business.
7. BBA Students are able to define, analyse, and devise solutions for structured and unstructured business problems and issues using cohesive and logical reasoning patterns for evaluating information, materials, and data.
8. BBA Students are able to conceptualize a complex issue into a coherent written statement and oral presentation.
9. BBA Students are competent in the uses of technology in Business and Management in modern organizational operations.

## **COURSE OUTCOMES**

### **CO1: B.A., (Tamil)**

12. Bring out skills in advertising, to work in publishing firms, media, Doordarshan Kendra etc.,
13. Critically develop skills to appreciate literature and be a mouth piece for social justice in order to safe guard social conscious.
14. Derive knowledge and skill for multifaceted job market allied with Tamil and allied language usages.
15. Develop skill in public speaking, singing, freelance writing and editing.
16. Inculcate the ability to serve as multimedia reporter, AIR announcer and programmer.
17. Produce Research and development initiatives on ancient culture, heritage and traditions.

### **CO II: B.A., (English)**

1. English graduates by valuing literature, language, and imagination students can develop a passion for literature and language.
2. English graduates can appreciate literature's ability to elicit feeling, cultivate the imagination and interpret.
3. English students can demonstrate the skills to participate in a conversation, listening to others' viewpoints; articulating their own ideas and questions clearly.
4. Students will be able to prepare, organize, and deliver an oral presentation.

### **CO III: B.Sc., (Mathematics)**



1. Develop proficiency in the analysis of complex physical problems and the use of mathematical or other appropriate techniques to solve them.
2. Evaluate hypotheses, theories, methods and evidence within their proper contexts.
3. Function on multidisciplinary teams by working cooperatively, creatively and responsibly.
4. Provide a systematic understanding of the concepts and theories of Mathematics.
5. Select, interpret and critically evaluate information from a range of sources that include books, scientific reports, journals, case studies and the internet.
6. Solve complex problems by critical understanding, analysis and synthesis.

**CO IV: B.Sc., (Physics)**

1. Capable doing oral and written scientific communication, and will prove that they can think critically and work independently.
2. Demonstrate knowledge of classical mechanics, electromagnetism, quantum mechanics, and thermal physics, Biophysics, Astrophysics, and be able to apply this knowledge to analyze a variety of physical phenomena.
3. Solve complex and diverse problems by recognizing universal physical laws.

**CO V: B.Sc., (Chemistry)**

1. Apply core concepts in Materials Science to solve engineering problems.
2. Apply safety rules in the practice of Bio-medical, Biochemistry, Industrial chemistry laboratories
3. Derive and apply equations explaining the rate of reactions and derive mechanisms to explain rate equations.
4. Develop better understanding of the organic chemistry behind everyday observations such as the action of soap, or application of color dyes on variety of fabrics.
5. Understand the professional and ethical responsibilities of a materials scientist and engineer.

**CO VI: B.Sc., (Microbiology)**

1. Articulate and diagram the role of the immune system in maintaining homeostasis, challenging infections, and fighting cancer.
2. Describe metabolic pathways found in microorganisms and their implications for food production and human disease.
3. Evaluate methods of microbial control and apply proper methods.
4. Summarize basic bacterial genetic principles and analyze implications for mutation, genetic recombination, and bacterial control.

**CO VII: B.Sc., (Computer science)**

1. Serve as Programmer or Software Engineer with sound knowledge of practical and theoretical concepts for developing software.

2. Serve as System Administrator with thorough knowledge of DBMS and DTP Operator in small scale industries
3. Serve as Web Designer with latest web development technologies
4. Work as Consultant, Management officers for system management, IT Sales and Marketing executives.
5. Work as Hardware Designer, Support Engineer and Technical Writer with knowledge of networking.
6. Work as Systems Engineer and System integrator

#### **CO VII: BCA., (Computer Applications)**

1. Enhance the computer literacy, basic understanding of operative systems and a working knowledge of software commonly used in academic and professional environments.
2. Develop standards to organize and present different type of works in academic and professional environments
3. Function effectively on teams to accomplish a common goal, Demonstrate professional behaviour.
4. Develop IT-oriented security issues and protocols.
5. Designing and implementing a web page.
6. Provide improved communication and business management skills, especially in providing technical support.

#### **CO IX: B.Com., (Commerce)**

1. Analyse organisational problems and generate realistic solutions based on current academic research.
2. Apply basic mathematical and statistical skills necessary for analysis of a range of problems in economics, actuarial studies, accounting, marketing, management and finance
3. Apply critical and analytical skills and methods to the identification, evaluation and resolution of complex problems.
4. Critically evaluate new ideas, research findings, methodologies and theoretical frameworks in a specialised field of study.
5. Demonstrate a knowledge of key concepts underlying quantitative decision analysis
6. Demonstrate a knowledge of macro-economic theory as it relates to current macro-economics policy and issues
7. Demonstrate a knowledge of micro-economic theory as it relates to markets, firms, government policy, and resource allocation
8. Demonstrate knowledge of major theories and models in key areas of Commerce and Trade.
9. Recognise and understand the ethical responsibilities of individuals and organisations in society.
10. To integrate knowledge, skill and attitude that will sustain an environment of learning and creativity among the students.

## **CO X: BBA., (Business Administration)**

1. Conduct research to identify and analyze client needs and desires and make marketing recommendations regarding business decisions and use appropriate leadership skills and styles to maximize employee productivity.
2. Conduct research to identify new business trends and customer needs.
3. Increase effective communication skills to promote respect, trust and relationships.
4. Information Management
5. Practice active listening to enhance the ability to get a clear understanding of difficult situations.
6. Practice an awareness of ethical and social responsibilities to multi-cultural, team-oriented, rapidly changing environments.
7. Practice critical and creative thinking to improve the decision making process.
8. Select and use appropriate resources to collect business data that will ultimately translate into information for decision-making.
9. Use quantitative measurements to solve business problems related to payroll, taxes, percentages, future value of money and to be able to make better business decisions.
10. Use the marketing information management concepts, systems, and tools needed to obtain, evaluate, and disseminate information for use in making marketing decisions.
11. Utilize information by applying a variety of business and industry standard software and hardware to major business functions (e.g., marketing, accounting, and human resource management).