

Kanglu Kumhar Govt. College Durgukondal District- UB Kanker (CG) 494669

Affiliated to Shaheed Mahendra Karma University Jagdalpur, Bastar (CG)

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Programme outcomes (POc & Course outcomes (COc)			
Programme outcomes B.A./ B.Sc. / B. Com. English Language		PO-1. To impart knowledge of English Language and English Literature among students. PO-2. To enable the students to transform the knowledge of English in their day-to-day life. PO-3. To develop in students the basic skills of LSRW. PO-4. To inculcate in students that English is easy to learn like other languages so there is no need to afraid of learning it. PO-5. To create rational approach among the student to face the challenges in life. PO-6. To make them able to get success in various competition	
Name of Course	Year/ Semester	Name of Subject/Paper	Course Outcome (COc)
B.A./ B.Sc. / B. Com Part-1	Part-1	Foundation Course, English Language	1. To give the students a first-hand knowledge of Historical and Cultural Heritage of India. 2. To enrich the vocabulary of students by various exercises. 3. To develop in students the basic skills of LSRW. 4. To make them able to write a Paragraph on given topics. 5. To make them able to write Formal and Informal Letters. 6. To make them able to solve the Grammatical questions पत्लवन, पत्राचार एवं व्याकरण की जानकारी छात्र—छात्राओं की दी गई। जिससे अनेक शब्द ज्ञान की वृद्धि हुई ओ र मानक—अमानक के द्वारा भाषा की शुद्धता का परिभजिन किया गया। अपठित गद्यांश,संक्षिप्तीकरण एवं संक्ष 'ष्ठ के द्वारा छात्र—छात्राओं में 'गागर में सागर भरने की' प्रवृति का विकास हआ।
B.A./ B.Sc. / B. Com. Part-2 Principal Kumhar Govt.Colleg Kumhar Govt.Colleg	C.G.)	B.A./ B.Sc. / B. Com. 2 Foundation Course, English Language	knowledge of Major Scientists of India and their contribution in Scientific Research. 2. To enrich the vocabulary of students by various exercises. 3. To develop in students the basic skills of LSRW. 4. To make them able to write Report
Kumhar Govi Colleg Sel, Dist U. B. Kanka		THOUSEN # ISOUTH	on given topics. 5. To make them able to write Precis of given passage. 6. To make them able to solve the Grammatical questions

		अग्रर पर्यक्रम हिंदी रह	
B.A./ B.Sc. / B. Com. Part-3	Part-3	B.A./ B.Sc. / B. Com. 3 Foundation Course, English Language	To give the students a first -hand knowledge of Aspects of Developments in India. To enrich the vocabulary of students by various exercises. To develop in students the basic skills of LSRW. To make them able to write Essay on given topics. To make them able to write a Precis of given passage. To make them able to solve the Grammatical question
	ii .	अग्रर पर्यक्रम हिन्दी रह-	
Programme Outcome B. A. Hindi		1- छात्रां मं हिन्दी के कवियां एवं लेख छात्रां का हिन्दी त्याकरण एवं भव स्थाव	है विकास क्रम एवं लेखन पर पर के स्नांब है ज्ञान अभेरूचि विकसित कराना। 6

PROGRAMME OUTCOMES	PO1- To impart knowledge about Economics, Particulary the basic concepts principles and to apply such knowledge to political	
B.A. Economics	economic and social context.	
	PO2- To enable the students exhibiting their ability to developed economy of central and state govt.	
	PO3- To develop in students to analyse Economic Problem. PO	
	To enable the students to have an opportunity to serving as a	
	Economist, Account Officer statistical officer, Bank officer	
	Professor.	
	PO5- To inculcate in student a sense of ethics and responsibilities.	

	economist. PO-4. Apply the Economic	
Economics	Paper-I Micro Economics	It enables the students to have
B.A. Part-I	Tuper Timero Economics	knowledge of Nature of Economics Utility, Indifference Curve, Law of Demand, Elasticity of Demand, Isoquant's curve, cost, Market, Structure, factor price determination, welfare economics.
	Paper-II Indian Economy	This Enable to know the Market Economy, Indian Economy, Natural Resources, Planning, Agriculture, Industry, Industrialization, Foreign trade, Balance of payment, Poverty and equality, Unemployment Price- Rise.
B.A. Part-II	Paper I Macro Economics	It helps to understand the National Income, Keynesian theory of Income and Employment consumption function, Investment function, Trade cycle, international trade, International Monetary fund, foreign trade.
	Paper-II Money Banking and Public Finance	It enables the students to have knowledge of – Money, Inflation, Deflation, Commercial Bank, Central Bank, Monetary Policy, Public Finance, Public Expenditure, public Revenue, Taxable capacity, Taxation, Classification of taxes, financial Administration Budget.
B.A. Part-III	Paper-I Development and Environmental Economics	It helps to understand the Economic development, population theories of development kart Marx model, The Schumpeterian Model, Mahala Nobis four sector Model, Harrods - Domra, Solow, Mead, Smt. John Robinson. Population Environment linkage. Pollution control. Sustainable Development, Intellectual capital food security Globalization and Agricultural Development.
	Paper-II Statistical Methods	It helps to understand the Statistics, Mean, Median, Mode Quartile Deviation, Mean Deviation, Standard,

			Deviation, Lorenz curve, Skewness, Karl Pearson's coefficient of correlation, spearmen's coefficient of correlation fishers Ideal Index Number, Time-Series Analysis, Trends.	
DDOCDAMA	AE OUT	DOI Davidonina compat		
PROGRAMN		PO1 - Developing competency with modern social science ern social science research. The innovations in social science methods		
COME B.A.			world are taught to the students so that	
POLITICAL		[1] 가게 하다는 'TO 전기로 위한다면 이 되었다. (1) 이 시간 이 기가 보는 10 시간 이 기가 되었다. [2] (1)	: [- [- [- [- [- [- [- [- [- [
FOLITICAL	SCINCE	master.	ological tools become easy of deem to	
			nts exhibiting their ability to developed	
		economy of central and state		
			s of Domestic and International politics	
		_	reparing students to have knowledge of	
			ents that affect governments and policy	
		making. The dynamics of decision making by the political		
		leadership are studied and analysed in detail.		
		PO4 - Comprehending basic structures and processes of		
		Government Systems - Vanities of government systems are studied		
		and case studies of leaders	ship styles are discussed who learning	
		about constitutions of differ	rent countries.	
		PO5 - Critical analysis of	of theories and concepts of Political	
		Science - The students are given a worldview of the different		
		theories and paradigms that are associated with the discipline.		
		They are expected to test the application of those theories to real		
		world events as and when they occupy centre stage in international		
		affairs.		
	B./	A. COURSE OUT COMES 1	Political Science	
Political		Paper-I Political Theory	It enables the students to have	
Science			knowledge of Nature of Political	
B.A. Part-I			Science Utility, Indifference Curve,	
			Law of Demand, Elasticity of	
			Demand, Isoquant's curve, cost,	
			Market, Structure, factor price	
			determination, welfare Political	
		8	Science.	

	Paper-II Political Science	This Enable to know the Market Economy, Indian Economy, Natural Resources, Planning, Agriculture, Industry, Industrialization, Foreign trade, Balance of payment, Poverty and equality, Unemployment Price- Rise.	
B.A. Part-II	Paper-I Political Thought	It helps to understand the National Income, Keynesian theory of Income and Employment consumption function, Investment function, Trade cycle, international trade, International Monetary fund, foreign trade.	
	Paper-II Comparative Government & Politics	It enables the students to have knowledge of – Money, Inflation, Deflation, Commercial Bank, Central Bank, Monetary Policy, Public Finance, Public Expenditure, public Revenue, Taxable capacity, Taxation, Classification of taxes, financial Administration Budget.	
B.A. Part-III	Paper-I International Politics	It helps to understand the Economic development, population theories of development kart Marx model, The Schumpeterian Model, Mahala Nobis four sector Model, Harrods - Domra, Solow, Mead, Smt. John Robinson. Population Environment linkage. Pollution control. Sustainable Development, Intellectual capital food security Globalization and Agricultural Development.	
	Paper-II Public Administration	It helps to understand the Statistics, Mean, Median, Mode Quartile Deviation, Mean Deviation, Standard, Deviation, Lorenz curve, Skewness, Karl Pearson's coefficient of correlation, spearmen's coefficient of correlation fishers Ideal Index Number, Time-Series Analysis, Trends.	
PROGRAMME OUTCOMES B.A. Sociology	Will Be Able To – PO1- Provide Basic know Trible Society, Crime And PO2- Understand Deferent Addiction, Poverty, Illitera PO3- Understand deferent	Programme Specification Outcomes on Completion of The Student Will Be Able To – PO1- Provide Basic knowledge Of Sociology-Indian Society Trible Society, Crime And research Methodology PO2- Understand Deferent problem Of Society- Alcoholism, Drug, Addiction, Poverty, Illiteracy. PO3- Understand deferent Research of Society-Treble Study Woman Study Village Study Industrial Study and cultural study	

	and Child Development I Welfare Institution Manage PO5- Use for Teaching in S	school and College Level igher Education And Ph.D. Work.
Sociology B.A. Part-I	Paper-I Introduction to Sociology	To Give the Student to Primary knowledge of Sociology- Social Institution, Social Stratification, Social Change and Social System.
	Paper-II Foundations of Sociological Thought	Understand of Classical View about Indian Society, Structure of Village Town Dalits and Woman, Basic Institution -Cast System-joint Family and Marriage, Familial Problems and social problems
B.A. Part-II	Paper-I Indian Society	Understand of Classical View about Indian Society, Structure of Village Town, Composition Trebles Dalits and Woman, Basic Institution -Caste System-joint Family and Marriage, Family Problems and social problems.
	Paper-II Crime in Society	Knowledge of Crime, Structure of Crime, Social Evils and Crime, punishment and correctional Process of Crime
B.A. Part-III	Paper-I Sociology of Trible Society	Understand of Trebles - Demography Profile, Socio Culture Profile of Tribes- kinship Marriage and family. Knowledge about religious Belieps and Practices, Social Mobility and Change. Knowledge about Schemes of Trible Development Movement and problems.
	Paper-II Social Research Method	To Give the Student A Knowledge of Research Formulation of Hypothesis, Scientific Methods, Observation, case Study, Content analysis, Serve, Sampling, Formulation of Questionnaire, Schedule and Interview guide. Understand about Statistics, Graphics and Diagram.
PROGRAMME OUTCOMES B.A. Economics	PO-1. Use correct English in PO-2. Use English effective PO-3. Understand the unique played a crucial role in built	amme the students will be able to in oral as well as written form. ely in formal and informal situations. ue importance of English that has

	I a			
		Reading and Writing.		
		PO-5. Develop vocabulary and communicative skills.		
			meaning and value of intellectual	
		discipline.		
		PO-7. Understand major and		
		PO-8. Understand the values of literature in life.		
	- 0		, Plays, Novels and Short Stories. PO-	
		 Interpret the literary works by critical analysis. 		
		PO-11. Understand different cultures of the times.		
			es in English literature like Indian	
			erature and American literature.	
		지기 위한 문에 가게 하는 그들은 아이에 가지 않는데 하는데 하는데 하는데 하는데 되었다.	works of the great writers and	
	1.2		ogic and literary competency.	
		PO-14. Appear for Competit		
Program ou	tcome	POTIAS Getaglarin Rubble as	Provident for the state of the	
B.COM			nongroundshipes evelusport Agencies,	
			mandues professionals and formation the	
		beganightents.		
		POAther Neuthprethem grades attorned by Studelles can get skills regarding		
	100	Parious appetrs riker Marketille Madugation Selling Manager, over all		
		Administration abilities of the	he Company.	
			nts to make decisions at personal &	
	1	professional level will increa	ase after completion of this course.	
		· Students can independent	ly start up their own business.	
		 Students can get thorough 	knowledge of finance and commerce.	
		 The knowledge of different specializations in accounting, 		
		costing, banking and finance with the practical exPOure helps the		
		students to stand in organization.		
	B.C	COM. COURSE OUT COM	ES Commerce	
Commerce		Paper-I	To develop conceptual understanding	
]	Financial Accounting	of fundamentals of financial	
B.COM-I			accounting system and to impart	
			skills in accounting for various kinds	
			of business transactions.	
		Paper -II	To develop communication skills and	
	1	Business Communication	overall personality development of	
			the students.	
		Paper-III Business	To enable the students to have such	

	Mathematics	minimum knowledge of mathematics as is applicable to business and economic situations.
	Paper-IV Business Regulatory Framework	The Objective of this course is to provide a brief idea about the framework of Indian Business Law i.e., contract law, Sale of Goods Act, Partnership Act etc.
	Paper-V Business Environment	To make the students aware about the Business and Business Environment. To give an insight into meaning of business environment and its components.
	Paper-VI Business Economics	The objective of this course is to acquaint the students with the business economic principles as are applicable in business.
B.COM-II	Paper-I Corporate Accounting	This course aims to enlighten the students on the accounting procedures followed by the Companies and to understand knowledge of new trends in corporate accounting issue of share and redemption of shares
	Paper II Company Law	To acquire knowledge and develop understanding of the necessary framework of companies with reference to various provisions of company act.
	Paper III Cost Accounting	To understand knowledge of cost accounting, single output costing, material cost, labour cost and overhead and Contract and Process Costing
	Paper IV Principal of Business Management	To know to make planning, decision making, controlling, staffing, organizing etc. to understand new approaches in management
	Paper V Business Statistics	It enables the students to gain understanding of statistical techniques as are applicable in business.
	Paper VI Fundamentals of Entrepreneurship	To develop entrepreneurial awareness among students and motivate students to make their mind set for thinking entrepreneurship as career.
B.COM III	Paper I Income Tax	Students can understand Income Tax system properly, and can get the knowledge of different tax provisions.

	Paper II	Students will be versed in the
	Auditing	fundamental concepts of Auditing and different types of tax. and to give knowledge about preparation of Audit report.
	Paper III Indirect Taxes	Students will be versed in the fundamental concepts of indirect Taxes like GST and its Provisions and return filing process of GST.
	Paper IV Management Accounting	To introduce a separate branch of accounting i.e., Management Accounting and its relevance in a business organization and Familiarization with Contemporary issues in management.
	Paper V Principle of Marketing	The objective of this course is to facilitate understanding of the framework of marketing and its applications in decision making under various environment constraints.
	Paper VI International Marketing	This course aims at acquainting student with the operations of marketing in international environment.
	COURSE OUTCOMES B.S	Sc.,Chemistry
Chemistry B.ScPart- I	Paper-I: Inorganic Chemistry	 Describe atomic structure on the basis idea of de-Broglie matterwaves, Heisenberg uncertainty principle Schrodinger wave equation and atomic orbital. Describe the shapes of S, p, d orbital's auf-bare and Pauli excessive principle hunt's rule Write down the electronic configuration of elements and calculate EAN. Describe the periodic (IE, EA, EN) trends in periodic table and their application. Describe covalent bond on the basis of valence bond theory, directional characteristics of covalent bond hybridization with example of simple inorganic molecule. Define bond parameters such as bond strength and bond energy and explain percentage ionic character.

	- 6	Ionic solids with reference to ionic
		structure, radius ratio, lattice defect,
		and semiconductor.
		7. Describe lattice energy, salvation
		energy, polar sing power, Fagan's
		rule and metallic bonds.
		8. Comparative study of s-block
		elements and salient feature of
		hydrides, salvation & complexation
		tendencies, function in bio systems
		and alkyl & aryls, chemistry of noble
		gases.
		9. Comparative study of p-block
		elements, halides, hydrides, oxides
		and oxy acids of B, AI, N & P and
		their compounds.
		10. Describe the principle involved in
		the detection of acids and basic
		radicals including interfering radicals
	Paper-II: Organic	
	Chemistry	
	Chemistry	conjugation, inductive effects, and H-
		bonding.
		2. Describe mechanism of organic
		reaction including clearage of bond
		types of reagent and reaction
		intermediates.
		3. Describe optical and geometrical
		isomerism including resolution,
		inversion, retention, recriminations,
		relative & absolute configuration and
		nomenclature.
		 Describe the cycloalkanes, Bayer's
		strain theory, and theory of stainless
		ring and banana bonds and reaction
		mechanism benzene & naphthalene
		their structure.
		5. Study of chemical reactions of
		Alcohols, Alkanes, dienes and
		alkynes including elucidation, Diels-
		alder reaction.
		6. Study of alkyls halides and aryl
		halides, mechanism and
		stereochemistry of nuclei Phillies
		substitution and elimination reaction.
B.ScPart- II	Paper-I: Inorganic	Describe the characteristic
D.Sc1 art- II	Chemistry	properties of d-block elements and
	Chemisuy	elements of first transition series,
		[[[[[[[[[[[[[[[[[[[
		their binary compounds and
		complexes. 2. Describe the chemistry of
		2. Describe the chemistry of

	elements of second and third transition series. 3. Describe oxidation and reduction, use of red-ox potential data and red-ox diagrams. 4. Describe coordination chemistry, Werner theory, EAN, chalets, nomenclature, isomerism, VBT. 5. Describe the chemistry of lanthanides and actinides. 6. Describe acids and bases by Arrhenius, bronzed- lorry, Lax-flood, solvent system and Lewis concepts. 7. Describe the properties and reactions of non- aqueous solvents w.r.t liquid ammonia and liquid sulphur dioxide.
Paper-II: Organic Chemistry	1. Describe the nomenclature, formation & chemical reactions of dihydric and trihydric alcohols and phenols. 2. Describe mechanism of rearrangements reactions, nucleophilic additions to carbonyl group. 3. Describe oxidation and reduction of aldehydes and ketoses. 4. Describe methods of formation & chemical reactions of carboxylic acid and substituted carboxylic acids. 5. Describe reactivity, structure and nomenclature, basicity, structure of amines. 6. Describe Gabriel phthalamide, Hofmann bromamide azo coupling reactions. 7. Describe orbital picture and aromatic character of pyrogalol furan, thiophene and pyridine. 8. Describe preparation and reaction of in dole, quinoline and reaction of in dole, quinoline and iso
Paper III: Physical Chemistry	Describe fundamentals of thermodynamics system, internal energy, enthalpy, heat capacity of gases at constant volume and constant pressure. Calculate w, q, du & dh for the

B.ScPart-III	Chemistry Paper-I	liquefaction of expansion of ideal gases under isothermal and adiabatic conditions, entropy and entropy change. 3. Apply phase rule to one, two and three component systems. 4. Describe Nerst distribution law, Henry's law and their application. 5. Describe specific and equivalent conductance & effect of dilution on conductance. 6. Describe applications of Kohlnausch's law and theories of strong electrolytes, transport no. and its determination by different methods. 7. Describe electrochemical cell and its conventional representation pH and pKa. 8. Describe corrosion, types, theories and its prevention. 1. Describe metal- lagans bounding in transition metal complexes crystal field theory. 2. Describe the thermodynamics and kinetic aspect of metal complexes, factor affecting the stability of complexes, substitution reaction in square planer complexes. 3. Describe the magnetic properties of the complexes, determination of magnetic susceptibility, L-S coupling, magnetic moments and application of magnetic moment data. 4. Describe the electronic spectra of transitional metal complexes including types of electronic transition, spectroscopic ground state, orgel diagrams, spectra of hexa qua titanium complexion. 5. Describe organo metallic chemistry including definition, nomenclature and classification. Alkyls and aryls of Li, Al, Hg, Sn and Ti
		and Ti. 6. A brief account of metal- ethylene complexes, homogenous hydrogenation and mononuclear carbonyl and their nature of bonding. 7. Describe the bio-inorganic

Paper-II: Organic Chemistry	chemistry including essential and trace elements in biological system, the haemoglobin and myogblin, biological role of alkali and alkaline earth metals with special reference to Ca ²⁺ and the nitrogen fixation. 8. Classification of acids and bases as hard and soft. 9. Describe HSAB concept, symbiosis and theoretical basis. 10. Describe inorganic polymers - silicon phosphorus. 1. Describe the formation, structure and chemical reactions of Grignard reagent, organ zinc and organ lithium. 2. Describe the nomenclature, structure formation and reactions of trios, trio ether, euphonic acids, sylph on amides and sylph on guanidine. 3. Describe the organic synthesis via insolates including acidity of alpha hydrogen's, diethyl Malone's and ethyl ace to ace tale and their synthesis. 4. Describe the chaise condensation, Kato - Enola, taut amorism, alkylation of 1, 3-dithianes and a
	 Classification, nomenclature of carbohydrates, mechanism of ova zone formation. Describe the inter conversion of glucose & fracture, glucose to mannose, formation of gluers ides. Describe mechanism of mote rotation, structure of ribose & doxy RI base disaccharides and poly saccharine. Describe the chemistry of fats, oils and detergents including sanctification value, iodine value, acid value, soap and detergents. Describe synthetic polymers polymerization such as free radical vinyl, ionic vinyl, Z-N, vinyl polymerization condensation or step polymerization.
	10. Describe the polyester, polyamides, phenol formaldehyde

	Paper-III: Physical Chemistry	resin urea formaldehyde resin, epoxy resin and rubbers. 11. Describe synthetic dyes, their classification and chemistry. 12. chemistry and synthesis of methyl orange, Congo red, malachite green, crystal violet, phenolphthalein, fluoresce in, alizarins and indigo. 13. Describe the absorption spectra including UV absorption spectroscopy, beer's lamberts law and type of electronic transition, concept of chromospheres and Auto chrome, different shift. 14. Describe infra-red spectroscopy including type of vibration, hook's law, selection rule, intensity of IR bands, finger print region and characteristic absorption of functional gap. 15. Describe the NMR spectroscopy including all parameters such as nuclear shielding, deshielding, chemical shift, spin-spin splitting coupling. 16. Interpret the PMR spectra of simple organic molecule. 1. Describe elementary quantum mechanism through black-body radiation, plank's law, photoelectric effect and heat capacity and Bohr model of H-Atom. 2. Describe de-Broglie, hypothesis, uncertainty principle, ware function, Schrodinger wave equation complete. 3. Describe elementary quantum mechanism with reference to molecular orbital theory. 4. Describe the spectroscopy and define its basic and spectrophotometer. 5. Describe the rotational spectrum and Vibration spectrum. 6. Describe the photochemistry, law of photochemistry, Je Bloke diagram. 8. Describe the fluorescence, phosphorescence and quantum yield. 9. Describe the physical properties
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			and molecular structure including optical activity, polarization, dipole moment and magnetic properties. 10. Describe the solutions; dilute solution and Colligative properties in details.
4		Programme outcomes B.Sc	c Zoology
Programme outcomes B.Sc. zoology		After successfully completing M. Sc. Zoology Programme students will be able to: 1. PO1. Ability to connect and apply biological knowledge to other disciplines and to integrate knowledge into their personal and professional lives. 2. PO2. Explain the origin of life with context to the origin of eukaryotic cell and endosymbiotic theory of origin., fossil records, Darwinism and Neo-Darwinism, experimental evidences. And evolution of horse. 3. PO3. Illustrate zoological science for its application in branches like medical entomology, apiculture, aquaculture and agriculture etc 4. PO4. Understand animal interactions with the environment and identify the major groups of organisms with an emphasis on animals and classify them within a phylogenetic framework.	
D.C. I		Programme Outcomes B Sc	. in Zoology
B.ScII		Dapar I	1 Vnovdadaa of the anatomical and
D.3CII		Paper-I Anatomy and Physiology	Knowledge of the anatomical and physiological similarities and dissimilarities of vertebrate's animals by comparative study.
		Paper-II Vertebrate Endocrinology, Reproductive Biology, behaviour, Evolution and Applied Zoology	Know about the endocrine glands, hormones and mechanism of their action. Different evidences and theories of organic evolution.

		ı	I a	
			3. The behavioural patterns in	
			animals. 4. Economically important	
D.C. III		D I	animal culture practices.	
B.Sc. – III		Paper-I	1. Know about the major ecosystems	
		Ecology, Environmental	of world, characteristics of	
		Biology, Toxicology,		
		Microbiology and Medical Zoology		
		Zoology	resources. 2. Different type of chemical and biological toxicants,	
			their effects and prevention. 3.	
			Importance of Microorganism 4.	
			Study of Pathogenic animals,	
			diseases and their symptoms and	
			preventions	
		Paper-II: Genetics, Cell	Marie Control	
		Physiology, Biochemistry,		
		Biotechnology and Bio-	Different Bio-molecules and their	
		techniques	metabolism.	
		1539	4. Different Genetical Engineering	
			Techniques.	
			5. Different Bio-Instrumental	
			techniques.	
Programme o		PO1. Critical Thinking: Think logically and organize tasks into a		
B.Sc. Bo	tany	- 400-400-00124120-0100-0010-0010-0010-001	d the evolving state of knowledge in a	
			lan, Conduct and write a report on an	
		independent term project.		
		PO2. Practical skills: Students learn to carry out practical work, in		
		the field and in the laboratory, with minimal risk.		
		PO3. Scientific knowledge: Apply the knowledge of basic science, life sciences and fundamental processes of plants to study and		
		analyze any plant form.	intai processes of plants to study and	
			e to continuous field visits in the fields	
		PO4. Social Interaction. Due to continuous field visits in the fields students interact with the social activities for their study. PO5. The		
		Botanists and society: Apply reasoning informed by the contextual		
		knowledge to assess plant diversity, its importance for society,		
		health, safety, legal and environmental issues and the consequent		
		responsibilities relevant to the biodiversity and conservation		
		practice	20	
		PO6. Ethics: The subject teaches students about the ethical		
		approach, not to cut the plants.		
		PO7. Environment and sustainability: Conservation practices are		
		studied for sustainable development.		
		PO8. Self-directed and Life-long learning: Each and every aspect		
		of the syllabus teaches life-		
DC- I	D 1	Course outcomes B.Sc.		
B.ScI	Paper-I	General Diversity of	1. The student will acquire the	
		Microbes and	knowledge of general diversity of	
		Cryptogames	microbes, algae, fungi, Bryophyte and Pteridophyta.	
-	Paper-II	Cell Biology and Genetics	Knowledge of cell, cell or anelle,	
ļ.	1 upci-II	cen biology and deficties	1. Ishowledge of cen, cen of anene,	

			genitive material, gene expression and genitive variation.
B.ScII	Paper-I	Diversity of seed plants and their systematics.	 Diversity of gymnosperms and angiosperms. Knowledge of Geological time scale and Fossils.
	Paper-II	Structure, development and reproduction in flowering plants.	 The vegetative and reproductive structure and development of angiosperms.
	Paper-I	Plant Physiology, Biochemistry and Biotechnology.	1. To know the importance of plant water relation, nutrients, Photosynthesis, Respiration and other life supportive processes in plants.
B.ScIII	Paper-II	Ecology and utilization of plants	 Knowledge about plants and environment and how plants are important and influence of our life.



Principal
Kanglu Kumhar Govt.Collogo
Durgutondal, Dist. - U. B. Kanker(C.G.)