

SILVER JUBILEE GOVERNMENT COLLEGE (Autonomous), Kurnool

A.Y 2021-22

PROGRAMME SPECIFIC OUTCOMES THAT HAVE RELEVANCE TO THE LOCAL, NATIONAL, REGIONAL AND GLOBAL

Program Name	Program Specific Outcomes
B.A. H.E.P.	1. History helps student to understand the ruling patterns of various dynasties from ancient period to modern period and gain insights on socio, economic and religious patterns of the bygone society's, architectural and cultural diversities right from
-3101	2. History develops practical skills helpful in the study and understanding of historical events, helps to impart moral education and installs the feeling of patriotism in the hearts of the pupils
	3. Economics is the study of how people decide to use resources on an individual and a collective basis. It examines the kinds of work people do and how much time they spend doing it. Economics also looks at production, investments, taxation and how people spend and save money. Before you commit yourself to spending time and effort studying economics, it helps to know the advantages of doing so. The study of economics can also provide valuable knowledge for making decisions in everyday life.
	4. Economics is the study of how societies, governments, businesses, households, and individuals allocate their scarce resources. Economists are well known for advising the president and congress on economic issues, formulating policies at the Federal Reserve Bank, and analyzing economic conditions for investment banks, brokerage houses, real estate companies, and other private sector businesses. They also contribute to the development of many other public policies including health care, welfare and efforts to reduce inequality.
	5. Political Science aims at making students understand the fundamental concepts, theories, perspectives, and ideological discourses in Political Science and to understand the fundamental concepts, theories, perspectives, and ideological discourses in Political Science. This will enable them to explain and evaluate the functioning of political systems and governments of diverse kinds with their institutions, structures, and ideologies.
	6. To study the national and international political affairs by understanding the government mechanism, its functions, duties and responsibilities in competitive examination point of view.
Program Name	Program Specific Outcomes
B.A. H.E.TTM.	1. History helps student to understand the ruling patterns of various dynasties from ancient period to modern period and gain insights on socio, economic and religious patterns of the bygone society's, architectural and cultural diversities right from
-3103	

	2. History develops practical skills helpful in the study and understanding of historical events, helps to impart moral education and installs the feeling of patriotism in the hearts of the pupils
	3. Economics is the study of how people decide to use resources on an individual and a collective basis. It examines the kinds of work people do and how much time they spend doing it. Economics also looks at production, investments, taxation and how people spend and save money. Before you commit yourself to spending time and effort studying economics, it helps to know the advantages of doing so. The study of economics can also provide valuable knowledge for making decisions in everyday life.
	4. Economics is the study of how societies, governments, businesses, households, and individuals allocate their scarce resources. Economists are well known for advising the president and congress on economic issues, formulating policies at the Federal Reserve Bank, and analyzing economic conditions for investment banks, brokerage houses, real estate companies, and other private sector businesses. They also contribute to the development of many other public policies including health care, welfare and efforts to reduce inequality.
	5. Trains student to preserve and promote India's historical and cultural heritage. Helps to understand the basic functions of management such as planning, organizing, leading, and controlling.
	6. Teaches students about business management, marketing fundamentals, human resources, project management, sustainability and crosscultural awareness.. The knowledge and skills acquired through the program is essential and useful to students for a variety of different careers.
Program Name	Program Specific Outcomes
B.COM.	
GENERAL	1. Student is able to prepare financial statements of business using accounting principles, concepts ,conventions and provisions
-4101	
	2. Student get thorough understanding in areas such as accountancy, business law, corporate law, finance, marketing which will instil in students the knowledge and capability of understanding the business world and economy
	3. The knowledge of different specializations in Accounting, costing, banking and finance with the practical exposure helps the students to stand in organization.
	4. Subjects like entrepreneurship, marketing, finance, advertising cultivate entrepreneurial skills and mindset among the students and help them to start and maintain a successful business
	5. Student is able to implement traditional and modern strategies and practices of costing, banking, economics, marketing, management, auditing and taxation

	6. The students will acquire practical skills to work as tax consultant, audit assistant and other financial supporting services. The course will also prepare them for competitive exams like CA, CS, ICWA.
Program Name	Program Specific Outcomes
B.COM. COMPUTER APPLICATIONS -4102	1. Student is able to prepare financial statements of business using accounting principles, concepts ,conventions and provisions.
	2. Student get thorough understanding in areas such as accountancy, business law, corporate law, finance, marketing which will instil in students the knowledge and capability of understanding the business world and economy.
	3. The knowledge of different specializations in Accounting, costing, banking and finance with the practical exposure helps the students to stand in organization.
	4. Subjects like entrepreneurship, marketing, finance, advertising cultivate entrepreneurial skills and mindset among the students and help them to start and maintain a successful business.
	5. To aquire basic knowledge of computers with application to various fields of information technology and its role in automation of modern day business.
	6. To acquire the necessary skill set and analytical abilities for developing computer based solutions to real corporate and business problems.
Program Name	Program Specific Outcomes
B.Sc. M.P.C. 1101	1. Acquire in-depth knowledge on different branches like Calculus, Geometry, Algebra and Analysis of mathematics and their related areas that build solid foundation for higher studies in mathematics.
	2. Develops logic, analytical reasoning and critical thinking in writing mathematical proofs, modelling real world problems into mathematical problems and finding solutions for them and in turn enhance their employability skills.
	3. Acquire a fundamental/systematic or coherent understanding of the academic field of Physics, its different learning areas and applications in basic Physics like Astrophysics, Material science, Nuclear and Particle Physics, Condensed matter Physics, Atomic and Molecular Physics, Mathematical Physics, Analytical dynamics, Space science, and its linkages with related disciplinary areas / subjects like Chemistry, Mathematics, Life sciences, Environmental sciences, Atmospheric Physics, Computer science, Information Technology.
	4. Demonstrate the ability to use skills in Physics and its related areas of technology for formulating and tackling Physicsrelated problems and identifying and applying appropriate physical principles and methodologies to solve a wide range of problems associated with Physics.

	5. Capable of demonstrating comprehensive knowledge and understanding of both theoretical and experimental/applied chemistry knowledge in various fields of interest like Analytical Chemistry, Physical Chemistry, Inorganic Chemistry, Organic Chemistry, Material Chemistry, etc.
	6. Able to use the evidence based comparative chemistry approach to explain the chemical synthesis and analysis and to demonstrate the experimental techniques and methods of their area of specialization in Chemistry.
Program Name	Program Specific Outcomes
B.Sc. M.P.CS. 1102	1. Acquire in-depth knowledge on different branches like Calculus, Geometry, Algebra and Analysis of mathematics and their related areas that build solid foundation for higher studies in mathematics.
	2. Develops logic, analytical reasoning and critical thinking in writing mathematical proofs, modelling real world problems into mathematical problems and finding solutions for them and in turn enhance their employability skills.
	3. Acquire a fundamental/systematic or coherent understanding of the academic field of Physics, its different learning areas and applications in basic Physics like Astrophysics, Material science, Nuclear and Particle Physics, Condensed matter Physics, Atomic and Molecular Physics, Mathematical Physics, Analytical dynamics, Space science, and its linkages with related disciplinary areas / subjects like Chemistry, Mathematics, Life sciences, Environmental sciences, Atmospheric Physics, Computer science, Information Technology.
	4. Demonstrate the ability to use skills in Physics and its related areas of technology for formulating and tackling Physics related problems and identifying and applying appropriate physical principles and methodologies to solve a wide range of problems associated with Physics.
	5. Demonstrate the aptitude of Computer Programming and Computer based problem solving skills and prepare necessary knowledge base for research and development.
	6. Display the knowledge of appropriate theory, practices and tools for the specification, design, implementation of software applications
Program Name	Program Specific Outcomes
B.Sc. M.P.W. 1103	1. Acquire in-depth knowledge on different branches like Calculus, Geometry, Algebra and Analysis of mathematics and their related areas that build solid foundation for higher studies in mathematics.
	2. Develops logic, analytical reasoning and critical thinking in writing mathematical proofs, modelling real world problems into mathematical problems and finding solutions for them and in turn enhance their employability skills.

	3. Acquire a fundamental/systematic or coherent understanding of the academic field of Physics, its different learning areas and applications in basic Physics like Astrophysics, Material science, Nuclear and Particle Physics, Condensed matter
	Physics, Atomic and Molecular Physics, Mathematical Physics, Analytical dynamics, Space science, and its linkages with 4. Demonstrate the ability to use skills in Physics and its related areas of technology for formulating and tackling Physics related problems and identifying and applying appropriate physical principles and methodologies to solve a wide range of
	problems associated with Physics. 5. Acquire indepth knowledge on designing and implementation of web based applications and prepare necessary knowledge base for research and development.
	6. The ability to apply problem solving skills and the knowledge of web technologies to analyze and develop solutions to real world problems related to web design and database design of varying complexity.
Program Name	Program Specific Outcomes
B.Sc. M.S.Cs. 1104	1. Acquire in-depth knowledge on different branches like Calculus, Geometry, Algebra and Analysis of mathematics and their related areas that build solid foundation for higher studies in mathematics.
	2. Develops logic, analytical reasoning and critical thinking in writing mathematical proofs, modelling real world problems into mathematical problems and finding solutions for them and in turn enhance their employability skills.
	3. Students will be able to understand basic theoretical and applied principles of statistics needed to enter the job force.
	4. Students will gain proficiency in using statistical software for data analysis.
	5. Demonstrate the aptitude of Computer Programming and Computer based problem solving skills and prepare necessary knowledge base for research and development.
	6. Display the knowledge of appropriate theory, practices and tools for the specification, design, implementation of software applications
Program Name	Program Specific Outcomes
B.Sc. B.M.C. 2102	1. The students will be able to identify major groups of plants and compare the characteristics of lower and higher group plants. Apply modern techniques and instruments for Biochemical estimation, Molecular Biology, Biotechnology, Plant
	2. Work in teams with enhanced inter-personal skills and Develop the critical thinking with scientific temper. Develop effectively communicate scientific ideas both orally and in writing.
	3. Analyse various groups of microorganisms with emphasis on bacteria and understand the techniques in microbiology to isolate, characterize the microbes by handling the instruments used in microbiological laboratory.

	4. Create knowledge about structure, growth and metabolism of useful and harmful microorganisms and their indispensable role in various fields of Microbiology.
	5. Capable of demonstrating comprehensive knowledge and understanding of both theoretical and experimental/applied chemistry knowledge in various fields of interest like Analytical Chemistry, Physical Chemistry, Inorganic Chemistry, Organic Chemistry, Material Chemistry, etc.
	6. Able to use the evidence based comparative chemistry approach to explain the chemical synthesis and analysis and to demonstrate the experimental techniques and methods of their area of specialization in Chemistry.
Program Name	Program Specific Outcomes
B.Sc. B.Z.C.	1. The students will be able to identify major groups of plants and compare the characteristics of lower and higher group plants. Apply modern techniques and instruments for Biochemical estimation, Molecular Biology, Biotechnology, Plant
2103	2. Work in teams with enhanced inter-personal skills and Develop the critical thinking with scientific temper. Develop effectively communicate scientific ideas both orally and in writing.
	3. Understand the nature and basic concepts of cell biology, genetics, taxonomy, physiology, ecology and applied Zoology.
	4. Perform procedures as per laboratory standards in the areas of Taxonomy, Physiology, Ecology, Cell biology, Genetics, Applied Zoology, Clinical science, tools and techniques of Zoology, Toxicology, Entomology, Nematology Sericulture, Biochemistry, Fish biology, Animal biotechnology, Immunology and research methodology
	5. Capable of demonstrating comprehensive knowledge and understanding of both theoretical and experimental/applied chemistry knowledge in various fields of interest like Analytical Chemistry, Physical Chemistry, Inorganic Chemistry, Organic Chemistry, Material Chemistry, etc.
	6. Able to use the evidence based comparative chemistry approach to explain the chemical synthesis and analysis and to demonstrate the experimental techniques and methods of their area of specialization in Chemistry.
Program Name	Program Specific Outcomes
B.Sc. H.B.C.	1. To get the employment in the areas of Horticulture business- Commercial Nurseries, production units of Bio-fertilizers, Bio-pesticides and processing units as Quality Analyst / Production Manager / Marketing promoters.
2105	2. To generate employment by becoming entrepreneurs by establishing Nurseries / Bio-fertilizers units / Processing Units.
	3. The students will be able to identify major groups of plants and compare the characteristics of lower and higher group plants. Apply modern techniques and instruments for Biochemical estimation, Molecular Biology, Biotechnology, Plant

	Tissue culture experiments, cellular and physiological studies of plants with an understanding of the applications in human 4. Work in teams with enhanced inter-personal skills and Develop the critical thinking with scientific temper. Develop effectively communicate scientific ideas both orally and in writing.
	5. Capable of demonstrating comprehensive knowledge and understanding of both theoretical and experimental/applied chemistry knowledge in various fields of interest like Analytical Chemistry, Physical Chemistry, Inorganic Chemistry, Organic Chemistry, Material Chemistry, etc.
	6. Able to use the evidence based comparative chemistry approach to explain the chemical synthesis and analysis and to demonstrate the experimental techniques and methods of their area of specialization in Chemistry.
Program Name	Program Specific Outcomes
B.Sc. Z.B.C.	
2106	1. Understand the nature and basic concepts of cell biology, genetics, taxonomy, physiology, ecology and applied Zoology.
	2. Perform procedures as per laboratory standards in the areas of Taxonomy, Physiology, Ecology, Cell biology, Genetics, Applied Zoology, Clinical science, tools and techniques of Zoology, Toxicology, Entomology, Nematology Sericulture, Biochemistry, Fish biology, Animal biotechnology, Immunology and research methodology
	3. The student gains knowledge in the chemistry of biomolecules such as water, carbohydrates, lipids, proteins and nucleic acids which make up all the living organisms including humans.
	4. This will enable the student to understand the importance of these biomolecules in living organisms and effects of their alterations in diseases occurring in plants, animals and humans.
	5. The practicals will give the expertise to the student for analysis of any biological or non-biological sample for identification of its chemical composition.
	6. Able to use the evidence based comparative chemistry approach to explain the chemical synthesis and analysis and to demonstrate the experimental techniques and methods of their area of specialization in Chemistry.
Program Name	Program Specific Outcomes
B.Sc. Z.BT.C.	
2101	1. Understand the nature and basic concepts of cell biology, genetics, taxonomy, physiology, ecology and applied Zoology.
	2. Perform procedures as per laboratory standards in the areas of Taxonomy, Physiology, Ecology, Cell biology, Genetics, Applied Zoology, Clinical science, tools and techniques of Zoology, Toxicology, Entomology, Nematology Sericulture, Biochemistry, Fish biology, Animal biotechnology, Immunology and research methodology
	3. Acquire technological knowledge in domain of biotechnology enabling their applications in industry and research
	4. Recognise the importance of Bioethics and IPR for applying appropriate tools to solve biotechnological problems

	5. The practicals will give the expertise to the student for analysis of any biological or non-biological sample for identification of its chemical composition.
	6. Able to use the evidence based comparative chemistry approach to explain the chemical synthesis and analysis and to demonstrate the experimental techniques and methods of their area of specialization in Chemistry.


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KURNOOL 518 002

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PROGRAMME SPECIFIC OUTCOMES

Program Name	Program Specific Outcomes		
B.A. H.E.P. (E.M&T.M)	1. History helps student to understand the ruling patterns of various dynasties from ancient period to modern period and gain insights on socio, economic and religious patterns of the bygone society's, architectural and cultural diversities right from ancient period to modern period.		
	2. History develops practical skills helpful in the study and understanding of historical events, helps to impart moral education and installs the feeling of patriotism in the hearts of the pupils		
	3. Economics is the study of how people decide to use resources on an individual and a collective basis. It examines the kinds of work people do and how much time they spend doing it. Economics also looks at production, investments, taxation and how people spend and save money. Before you commit yourself to spending time and effort studying economics, it helps to know the advantages of doing so. The study of economics can also provide valuable knowledge for making decisions in everyday life.		
	4. Economics is the study of how societies, governments, businesses, households, and individuals allocate their scarce resources. Economists are well known for advising the president and congress on economic issues, formulating policies at the Federal Reserve Bank, and analyzing economic conditions for investment banks, brokerage houses, real estate companies, and other private sector businesses. They also contribute to the development of many other public policies including health care, welfare and efforts to reduce inequality.		
	5. Political Science aims at making students understand the fundamental concepts, theories, perspectives, and ideological discourses in Political Science and to understand the fundamental concepts, theories, perspectives, and ideological discourses in Political Science. This will enable them to explain and evaluate the functioning of political systems and governments of diverse kinds with their institutions, structures, and ideologies.		
	6. To study the national and international political affairs by understanding the government mechanism, its functions, duties and responsibilities in competitive examination point of view.		
Program Name	Program Specific Outcomes		
B.A. H.E.TTM.	1. History helps student to understand the ruling patterns of various dynasties from ancient period to modern period and gain insights on socio, economic and religious patterns of the bygone society's, architectural and cultural diversities right from ancient period to modern period.		
	2. History develops practical skills helpful in the study and understanding of historical events, helps to impart moral education and installs the feeling of patriotism in the hearts of the pupils		
	3. Economics is the study of how people decide to use resources on an individual and a collective basis. It examines the kinds of work people do and how much time they spend doing it. Economics also looks at production, investments, taxation and how people spend and save money. Before you commit yourself to spending time and effort studying economics, it helps to know the advantages of doing so. The study of economics can also provide valuable knowledge for making decisions in everyday life.		
	4. Economics is the study of how societies, governments, businesses, households, and individuals allocate their scarce resources. Economists are well known for advising the president and congress on economic issues, formulating policies at the Federal Reserve Bank, and analyzing economic conditions for investment banks, brokerage houses, real estate companies, and other private sector businesses. They also contribute to the development of many other public policies including health care, welfare and efforts to reduce inequality.		
	5. Trains student to preserve and promote India's historical and cultural heritage. Helps to understand the basic functions of management such as planning, organizing, leading, and controlling.		
	6. Teaches students about business management, marketing fundamentals, human resources, project management, sustainability and cross-cultural awareness.. The knowledge and skills acquired through the program is essential and useful to students for a variety of different careers.		

Program Name	Program Specific Outcomes		
B.COM. GENERAL	1. Student is able to prepare financial statements of business using accounting principles, concepts ,conventions and provisions		
	2. Student get thorough understanding in areas such as accountancy, business law, corporate law, finance, marketing which will instil in students the knowledge and capability of understanding the business world and economy		
	3. The knowledge of different specializations in Accounting, costing, banking and finance with the practical exposure helps the students to stand in organization.		
	4. Subjects like entrepreneurship, marketing, finance, advertising cultivate entrepreneurial skills and mindset among the students and help them to start and maintain a successful business		
	5. Student is able to implement traditional and modern strategies and practices of costing, banking, economics, marketing, management, auditing and taxation		
	6. The students will acquire practical skills to work as tax consultant, audit assistant and other financial supporting services. The course will also prepare them for competitive exams like CA, CS, ICWA.		
Program Name	Program Specific Outcomes		
B.COM. COMPUTER APPLICATIONS	1. Student is able to prepare financial statements of business using accounting principles, concepts ,conventions and provisions.		
	2. Student get thorough understanding in areas such as accountancy, business law, corporate law, finance, marketing which will instil in students the knowledge and capability of understanding the business world and economy.		
	3. The knowledge of different specializations in Accounting, costing, banking and finance with the practical exposure helps the students to stand in organization.		
	4. Subjects like entrepreneurship, marketing, finance, advertising cultivate entrepreneurial skills and mindset among the students and help them to start and maintain a successful business.		
	5. To aquire basic knowledge of computers with application to various fields of information technology and its role in automation of modern day business.		
	6. To acquire the necessary skill set and analytical abilities for developing computer based solutions to real corporate and business problems.		

Program Name	Program Specific Outcomes		
B.Sc. M.P.C.	1. Acquire in-depth knowledge on different branches like Calculus, Geometry, Algebra and Analysis of mathematics and their related areas that build solid foundation for higher studies in mathematics.		
	2. Develops logic, analytical reasoning and critical thinking in writing mathematical proofs, modelling real world problems into mathematical problems and finding solutions for them and in turn enhance their employability skills.		
	3. Acquire a fundamental/systematic or coherent understanding of the academic field of Physics, its different learning areas and applications in basic Physics like Astrophysics, Material science, Nuclear and Particle Physics, Condensed matter Physics, Atomic and Molecular Physics, Mathematical Physics, Analytical dynamics, Space science, and its linkages with related disciplinary areas / subjects like Chemistry, Mathematics, Life sciences, Environmental sciences, Atmospheric Physics, Computer science, Information Technology.		
	4. Demonstrate the ability to use skills in Physics and its related areas of technology for formulating and tackling Physics-related problems and identifying and applying appropriate physical principles and methodologies to solve a wide range of problems associated with Physics.		
	5. Capable of demonstrating comprehensive knowledge and understanding of both theoretical and experimental/applied chemistry knowledge in various fields of interest like Analytical Chemistry, Physical Chemistry, Inorganic Chemistry, Organic Chemistry, Material Chemistry, etc.		
	6. Able to use the evidence based comparative chemistry approach to explain the chemical synthesis and analysis and to demonstrate the experimental techniques and methods of their area of specialization in Chemistry.		
Program Name	Program Specific Outcomes		
B.Sc. M.P.CS.	1. Acquire in-depth knowledge on different branches like Calculus, Geometry, Algebra and Analysis of mathematics and their related areas that build solid foundation for higher studies in mathematics.		
	2. Develops logic, analytical reasoning and critical thinking in writing mathematical proofs, modelling real world problems into mathematical problems and finding solutions for them and in turn enhance their employability skills.		
	3. Acquire a fundamental/systematic or coherent understanding of the academic field of Physics, its different learning areas and applications in basic Physics like Astrophysics, Material science, Nuclear and Particle Physics, Condensed matter Physics, Atomic and Molecular Physics, Mathematical Physics, Analytical dynamics, Space science, and its linkages with related disciplinary areas / subjects like Chemistry, Mathematics, Life sciences, Environmental sciences, Atmospheric Physics, Computer science, Information Technology.		
	4. Demonstrate the ability to use skills in Physics and its related areas of technology for formulating and tackling Physics-related problems and identifying and applying appropriate physical principles and methodologies to solve a wide range of problems associated with Physics.		
	5. Demonstrate the aptitude of Computer Programming and Computer based problem solving skills and prepare necessary knowledge base for research and development.		
	6. Display the knowledge of appropriate theory, practices and tools for the specification, design, implementation of software applications		

Program Name	Program Specific Outcomes		
B.Sc. M.P.W.	1. Acquire in-depth knowledge on different branches like Calculus, Geometry, Algebra and Analysis of mathematics and their related areas that build solid foundation for higher studies in mathematics.		
	2. Develops logic, analytical reasoning and critical thinking in writing mathematical proofs, modelling real world problems into mathematical problems and finding solutions for them and in turn enhance their employability skills.		
	3. Acquire a fundamental/systematic or coherent understanding of the academic field of Physics, its different learning areas and applications in basic Physics like Astrophysics, Material science, Nuclear and Particle Physics, Condensed matter		
	4. Demonstrate the ability to use skills in Physics and its related areas of technology for formulating and tackling Physics-related problems and identifying and applying appropriate physical principles and methodologies to solve a wide range of		
	5. Acquire indepth knowledge on designing and implementation of web based applications and prepare necessary knowledge base for research and development.		
	6. The ability to apply problem solving skills and the knowledge of web technologies to analyze and develop solutions to real world problems related to web design and database design of varying complexity.		
Program Name	Program Specific Outcomes		
B.Sc. M.S.CS.	1. Acquire in-depth knowledge on different branches like Calculus, Geometry, Algebra and Analysis of mathematics and their related areas that build solid foundation for higher studies in mathematics.		
	2. Develops logic, analytical reasoning and critical thinking in writing mathematical proofs, modelling real world problems into mathematical problems and finding solutions for them and in turn enhance their employability skills.		
	3. Students will be able to understand basic theoretical and applied principles of statistics needed to enter the job force.		
	4. Students will gain proficiency in using statistical software for data analysis.		
	5. Demonstrate the aptitude of Computer Programming and Computer based problem solving skills and prepare necessary knowledge base for research and development.		
	6. Display the knowledge of appropriate theory, practices and tools for the specification, design, implementation of software applications		

Program Name	Program Specific Outcomes		
B.Sc. B.M.C.	1. The students will be able to identify major groups of plants and compare the characteristics of lower and higher group plants. Apply modern techniques and instruments for Biochemical estimation, Molecular Biology, Biotechnology, Plant Tissue culture experiments, cellular and physiological studies of plants with an understanding of the applications in human life.		
	2. Work in teams with enhanced inter-personal skills and Develop the critical thinking with scientific temper. Develop effectively communicate scientific ideas both orally and in writing.		
	3. Analyse various groups of microorganisms with emphasis on bacteria and understand the techniques in microbiology to isolate, characterize the microbes by handling the instruments used in microbiological laboratory.		
	4. Create knowledge about structure, growth and metabolism of useful and harmful microorganisms and their indispensable role in various fields of Microbiology.		
	5. Capable of demonstrating comprehensive knowledge and understanding of both theoretical and experimental/applied chemistry knowledge in various fields of interest like Analytical Chemistry, Physical Chemistry, Inorganic Chemistry, Organic Chemistry, Material Chemistry, etc.		
	6. Able to use the evidence based comparative chemistry approach to explain the chemical synthesis and analysis and to demonstrate the experimental techniques and methods of their area of specialization in Chemistry.		
Program Name	Program Specific Outcomes		
B.Sc. B.Z.C.	1. The students will be able to identify major groups of plants and compare the characteristics of lower and higher group plants. Apply modern techniques and instruments for Biochemical estimation, Molecular Biology, Biotechnology, Plant Tissue culture experiments, cellular and physiological studies of plants with an understanding of the applications in human life.		
	2. Work in teams with enhanced inter-personal skills and Develop the critical thinking with scientific temper. Develop effectively communicate scientific ideas both orally and in writing.		
	3. Understand the nature and basic concepts of cell biology, genetics, taxonomy, physiology, ecology and applied Zoology.		
	4. Perform procedures as per laboratory standards in the areas of Taxonomy, Physiology, Ecology, Cell biology, Genetics, Applied Zoology, Clinical science, tools and techniques of Zoology, Toxicology, Entomology, Nematology, Sericulture, Biochemistry, Fish biology, Animal biotechnology, Immunology and research methodology		
	5. Capable of demonstrating comprehensive knowledge and understanding of both theoretical and experimental/applied chemistry knowledge in various fields of interest like Analytical Chemistry, Physical Chemistry, Inorganic Chemistry, Organic Chemistry, Material Chemistry, etc.		
	6. Able to use the evidence based comparative chemistry approach to explain the chemical synthesis and analysis and to demonstrate the experimental techniques and methods of their area of specialization in Chemistry.		

Program Name	Program Specific Outcomes		
B.Sc. H.B.C.	1. To get the employment in the areas of Horticulture business- Commercial Nurseries, production units of Bio-fertilizers, Bio-pesticides and processing units as Quality Analyst / Production Manager / Marketing promoters.		
	2. To generate employment by becoming entrepreneurs by establishing Nurseries / Bio-fertilizers units / Processing Units.		
	3. The students will be able to identify major groups of plants and compare the characteristics of lower and higher group plants. Apply modern techniques and instruments for Biochemical estimation, Molecular Biology, Biotechnology, Plant		
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	5. Capable of demonstrating comprehensive knowledge and understanding of both theoretical and experimental/applied chemistry knowledge in various fields of interest like Analytical Chemistry, Physical Chemistry, Inorganic Chemistry, Organic Chemistry, Material Chemistry, etc.		
	6. Able to use the evidence based comparative chemistry approach to explain the chemical synthesis and analysis and to demonstrate the experimental techniques and methods of their area of specialization in Chemistry.		

Program Name	Program Specific Outcomes		
B.Sc. Z.B.C.	1. Understand the nature and basic concepts of cell biology, genetics, taxonomy, physiology, ecology and applied Zoology.		
	2. Perform procedures as per laboratory standards in the areas of Taxonomy, Physiology, Ecology, Cell biology, Genetics, Applied Zoology, Clinical science, tools and techniques of Zoology, Toxicology, Entomology, Nematology Sericulture, Biochemistry, Fish biology, Animal biotechnology, Immunology and research methodology		
	3. The student gains knowledge in the chemistry of biomolecules such as water, carbohydrates, lipids, proteins and nucleic acids which make up all the living organisms including humans.		
	4. This will enable the student to understand the importance of these biomolecules in living organisms and effects of their alterations in diseases occurring in plants, animals and humans.		
	5. The practicals will give the expertise to the student for analysis of any biological or non-biological sample for identification of its chemical composition.		
	6. Able to use the evidence based comparative chemistry approach to explain the chemical synthesis and analysis and to demonstrate the experimental techniques and methods of their area of specialization in Chemistry.		
Program Name	Program Specific Outcomes		
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	3. Acquire technological knowledge in domain of biotechnology enabling their applications in industry and research		
	4. Recognise the importance of Bioethics and IPR for applying appropriate tools to solve biotechnological problems		
	5. The practicals will give the expertise to the student for analysis of any biological or non-biological sample for identification of its chemical composition.		
	6. Able to use the evidence based comparative chemistry approach to explain the chemical synthesis and analysis and to demonstrate the experimental techniques and methods of their area of specialization in Chemistry.		


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