

M.S. RAMAIAH COLLEGE OF ARTS,SCIENCE AND COMMERCE

Course Outcomes for Bsc(Gen/Bio/Chem) Program

Program	CourseCode	CourseName	COCode	CO
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT101	Fundamental of Cell Bioloty	CO-1	This course introduces the students to the basics of cell and its components
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT101	Fundamental of Cell Bioloty	CO-2	Describe the fundamental principles cellular biology and model organisms
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT101	Fundamental of Cell Bioloty	CO-3	Understand how cells grow, divide, and die and how these important processes are regulated
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT101	Fundamental of Cell Bioloty	CO-4	Understanding how these cellular components are used to generate and utilize energy in cells
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT101	Fundamental of Cell Bioloty	CO-5	The use of microscope equipment, interpretation and evaluation of ultrastructural data
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNP101	Fundamental of Cell Bioloty	GNP 101	FUNDAMENTALS OF CELL BIOLOGY
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C3S	BioChemistry-I	CO1	To learn the significance, conversions and applications of units
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C3S	BioChemistry-I	CO2	To study the importance of bonding and geomtries of molecules
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C3S	BioChemistry-I	CO4	To study the principles of Radioactivity and its applications
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C3S	BioChemistry-I	CO4	Specify the classification and characteristics of Solutions and Colligative properties
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C3S	BioChemistry-I	CO6	Learn in depth Acids,Bases and Buffers
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C3S	BioChemistry-I	CO7	Identify in details with application, if applicable, Liquids
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C3S	BioChemistry-I	CO5	Deliberate in details with examples Electrochemistry

B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	CO1	Deliberate in details with examples classification of antimicrobial drugs
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101 UNIT1.1	Microbes and theories of origin of life on earth
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101 UNIT1.2 A	History of microbiology
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101 UNIT1.2 B	Scope of microbiology
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101 UNIT1.3	Branches of Microbiology
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101 UNIT1.4	Contribution of scientists to microbiology
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101 UNIT2.1	Principles of microscopy
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101 UNIT2.2	Principles of photomicrography
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101 UNIT2.3	Dark field, phase contrast, fluorescent microscope
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101 UNIT2.3 B	Electron microscopes
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101 UNIT4.1	Nature of dyes and stains
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101 UNIT4.2	Physical and Chemical theories of Staining
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT101	Basic Microbiology	MBT101 UNIT4.3	Simple, Differential and structural staining
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP102	Basic Microbiology	CO1	Learn in details with application, if applicable, Safety measures in Laboratory, Study of student microscope and research microscope, Autoclave, hot air oven, Laminar air flow bench, Inoculation chamber, inoculation loop and needle, Incubator, centrifuge, pH meter, seitz filter, colony counter, membrane filter and colorimeter/spectrophotometer, Cleaning and sterilization of glassware, preparation of cotton plugs for test tubes

					and pipettes, wrapping of petriplates and pipettes, transfer of media and inoculum, Simple staining, Gram staining, cell wall, endospore staining and capsule staining
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT201	Principles of Genetics	CO-1		An overview of the principles of plant genetics including Mendelian, history of genetics and modern concepts of heredity.
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT201	Principles of Genetics	CO-2		The student will demonstrate knowledge of the basics principles of Mendelian genetics pea plant, law of segregation and law of independent assortment
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT201	Principles of Genetics	CO-3		The student will demonstrate deviations from classical Mendelian analysis, multiple analysis, and gene interactions
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT201	Principles of Genetics	CO-4		Gaining knowledge about the elements of Biometry mean, median, variance chi square student t test, probability and distribution
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT201	Principles of Genetics	CO-5		Understanding the basic concept on sex determinations, Environment, hormone control and sex differentiation in Drosophila and man
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO5		Deliberate the classification and characteristics of Solids
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO6		Learn the classification and characteristics of Phase Rule
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO7		Deliberate in details with application, if applicable, Chemical Equilibrium
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO8		Identify the details of Reaction Kinetics
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO9		Identify in details with examples Catalysis
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO6		Deliberate the classification and characteristics of Introduction to organic chemistry
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO7		Identify in details with examples Hydrocarbons
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO8		Deliberate the characteristics of Cycloalkanes
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO9		Write down in depth Arenes

B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO10	Write down in depth Alkylhalides and organometallic reactions
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO11	Identify in details with application, if applicable, Alcohols
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO12	Identify the characteristics of Phenols
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C23	BioChemistry-II	CO13	Specify the details of Carbonyl compounds
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT201	Microbial Taxonomy & Culture Techniques	CO5	Understand the details of Nutritional types of Microorganisms and growth curve and counting methods
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT201	Microbial Taxonomy & Culture Techniques	CO4	Write down in details with examples Media, its components and classification of Media
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT201	Microbial Taxonomy & Culture Techniques	CO1	Specify in depth Structure and properties of Virus
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT201	Microbial Taxonomy & Culture Techniques	CO2	Deliberate in details with examples Structure and replication of Tobacco Mosaic Virus , Lambda Phage, T4 Bacteriophage, HIV and Herpes virus
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT201	Microbial Taxonomy & Culture Techniques	CO3	Specify in depth Ultra structure of Bacterial Cell and fungal cell
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP202	Microbial Taxonomy & Culture Techniques	CO1	Identify the classification and characteristics of Structure and replication of Tobacco Mosaic Virus and Herpes virus
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP202	Microbial Taxonomy & Culture Techniques	CO2	Understand the characteristics of Structure and properties of Virus
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP202	Microbial Taxonomy & Culture Techniques	CO3	Identify the classification and characteristics of Structure and Replication of HIV
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT301	Cytogenetics	CO-1	Cytological responses in gene associated diseases

B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT301	Cytogenetics	CO-2	Understand the cytogenetic aberrations related disorders
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT301	Cytogenetics	CO-3	Understand the transfer of alleles/traits from generation to generation in the development of organisms
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C33	BioChemistry-III	CO5	To make them understand about Bio inorganic chemistry in biological system and environmental chemistry
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C33	BioChemistry-III	CO6	To make them understand about the Environmental Toxicology with examples
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C33	BioChemistry-III	CO7	To make them understand about Identification and Separation Techniques its principle instrumentation and applications
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C33	BioChemistry-III	CO1	Identify the classification and properties of carboxylic acids and Amines
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C33	BioChemistry-III	CO2	Specify the properties, structures and importance of Terpenes and Alkaloids
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C33	BioChemistry-III	CO3	Specify in details with examples of Heterocyclic compounds and its properties
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C33	BioChemistry-III	CO4	Learn in details with examples, classification and importance of drugs
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT301	Microbial Physiology & Microbial Genetics	CO2	Understanding enzymes in detail with its properties and applications
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT301	Microbial Physiology & Microbial Genetics	CO2	Knowing the classification, characteristics and structure of nucleic acids
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT301	Microbial Physiology & Microbial Genetics	CO3	Understanding genome organization and detailed process of DNA replication in prokaryotes and eukaryotes
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT301	Microbial Physiology & Microbial Genetics	CO4	learn in detail with examples about genetic recombination and transposable elements in bacteria
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT301	Microbial Physiology & Microbial Genetics	CO5	study of mutation in detail

B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT301	Microbial Physiology &Microbial Genetics	CO6	understanding biomolecules and bioenergetics
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT301	Microbial Physiology &Microbial Genetics	CO7	learning oxidation reduction reactions and energy yielding pathways
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT301	Microbial Physiology &Microbial Genetics	CO8	understanding bacterial photosynthesis
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP302	Microbial Physiology &Microbial Genetics	CO1	Understand the details of growth curve for fungi, IMViC, Fermentation of glucose, sucrose, and lactose, Fermentation of glucose, sucrose, and lactose, Mannitol motility test, Starch hydrolysis, Gelatin liquefaction test, Catalase, Oxidase test, Estimation of reducing sugar glucose, Estimation of Protein by Lowry's method, Effect of pH and temperature on bacterial growth, Conjugation, Transformation, Griffith's experiment and mechanism, Transduction -generalized and specialized ,
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT401	Molecular Genetics	CO-1	Provide basic information on the molecular mechanisms by which genetic material controls development, growth or morphological characteristics of organisms
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT401	Molecular Genetics	CO-2	Understand the historical developments of scientific discoveries, and their impacts on the development of biological methods
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT401	Molecular Genetics	CO-3	Explain the introduction of mutations due to the gene alterations that can be used for development of therapeutic agents
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C4S	BioChemistry- IV	CO7	Understanding of Nutrition in detail with examples
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C4S	BioChemistry- IV	CO8	Understand the details of Macro and micro nutrients
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C4S	BioChemistry- IV	CO6	Learn in details with examples of different types of tissues
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C4S	BioChemistry- IV	CO5	Write down the mechanism of respiration
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C4S	BioChemistry- IV	CO2	PHYSIOLOGY OF NERVOUS SYSTEM

B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C4S	BioChemistry- IV	CO3	IMPOTANC OF HORMONES OF DIFFERENT GLANDS
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C4S	BioChemistry- IV	CO4	PHYSIOLOGY OF CARDIOVASCULAR SYSTEM
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C4S	BioChemistry- IV	CO1	IMPOTANCE AND ENZYMES INVOLVED IN DIGESTION
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT401	Molecular Biology & Recombinant DNA Technology	CO1	Understanding the types and functions of RNA molecules
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT401	Molecular Biology & Recombinant DNA Technology	CO2	Understanding the mechanism of transcription and translation in prokaryotes
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT401	Molecular Biology & Recombinant DNA Technology	CO3	study of gene regulation in prokaryotes
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT401	Molecular Biology & Recombinant DNA Technology	CO4	study of DNA manipulative enzymes and vectors used in RDT
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT401	Molecular Biology & Recombinant DNA Technology	CO5	Understanding the construction and transformation of r DNA molecule and study of screening techniques
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT401	Molecular Biology & Recombinant DNA Technology	CO6	study of molecular techniques and applications and hazards of genetic engineering
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT501	Recombinant DNA Technology	CO-2	Provide the knowledge on application of recombinant DNA technology in the field of agriculture, environment and biomedical.
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT501	Recombinant DNA Technology	CO-3	Explains the methods of cloning, genetic manipulation and their application in genetic analysis.

B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT501	Recombinant DNA Technology	CO-1	Application and Importance of Molecular methods in construction of recombinant gene and production of transgenic organisms
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT502	Basic Human Genetics	CO-1	Provide basic information on the fundamentals of human genetics and hereditary
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT502	Basic Human Genetics	CO-2	Role of immunology in genetic analysis for protection against disease and autoimmune disorders.
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT502	Basic Human Genetics	CO-3	Explains the mechanics of inheritance, probability, gene structure and function, molecular genetics, and contemporary issues in human genetics
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C55	BioChemistry-V	CO5	IMPOTANCE OF STRUCTURE AND CONFIRMATIONS OF PROTIENS
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C55	BioChemistry-V	CO4	DEFINITION CLASSIFICATION AND STRUCTURE OF CARBOHYDRATES WITH IMPROTANCE
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C55	BioChemistry-V	CO2	Understanding of classification,structures,properties and importance of Aminoacids
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C55	BioChemistry-V	CO1	Definition, classification,structures and biological improtance of lipid
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C55	BioChemistry-V	CO3	Transformation of energy and its improtance in biological system
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C56	BioChemistry- VI	CO1	Definition classification and mechanism of enzymes Biological system
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C56	BioChemistry- VI	CO2	To make them understand about theTranscription processes in both eukaryotes and prokaryotes
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C56	BioChemistry- VI	CO4	Understand the classification and characteristics of mutation
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C56	BioChemistry- VI	CO3	Write down in details of structure and types of nucleic acids
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP504	Food & Dairy Microbiology	CO1	Learn the characteristics of Food and Dairy Microbiology
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT601	Developmental and Evolutionary Genetics	CO-1	Understand the role of plant and animal developmental Genetics with examples

B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT601	Developmental and Evolutionary Genetics	CO-2	Explains the basics of quantitative characters and inheritance in evolutionary, population genetics
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT601	Developmental and Evolutionary Genetics	CO-3	Provide the application of statistical methods in genetical study
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT602	Applicative Genetics	CO-1	Provide information on importance of genetics in medicine and pharmacogenomics.
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT602	Applicative Genetics	CO-2	Understand the use of molecular markers and bioinformatics tools
B.Sc (Genetics/ Biochemistry/ Microbiology)	GNT602	Applicative Genetics	CO-3	Understand the genetic resources, biodiversity in studying behavioral nature of organisms for bio fortification
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C65	BioChemistry- VII	CO6	Identify the classification and characteristics of METABOLISM OF AMINO ACIDS
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C65	BioChemistry- VII	CO7	Deliberate the characteristics of METABOLISM OF NUCELIC ACIDS
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C65	BioChemistry- VII	CO4	Deliberate in depth METABOLISM OF PROTIENS
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C65	BioChemistry- VII	CO3	Understand the characteristics of PHOTOSYNTHESIS
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C65	BioChemistry- VII	CO5	Understand the classification and characteristics of BIOLOGICAL NITROGEN FIXATION
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C65	BioChemistry- VII	CO1	IMPROATANCE OF CARBOHYDRATES METABOLISM
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C65	BioChemistry- VII	CO2	IMPROTANCE OF LIPID METABOLISM
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C66	BioChemistry- VIII	CO3	Specify the characteristics of immunology techniques
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C66	BioChemistry- VIII	CO4	Learn in depth conceptes in immunology
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C66	BioChemistry- VIII	CO1	Understand in fermentors, process and methods of fermentation techology

B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1C66	BioChemistry- VIII	CO2	To understand the tools and process of Genetic engineering
B.Sc (Genetics/ Biochemistry/ Microbiology)	SC1P65	BioChemistry practical VII	CO1	Understand the details of biomolecules
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO1	Write down in depth Isolation and identification of microorganisms from Ear, nose, throat and sputum.
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO2	Identify in details with examples Isolation and identification of microorganisms from clinical samples - urine
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO3	Identify in details with examples Chemical analysis of urine -crystal identification, Determination of sugar and protein in urine samples
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO4	Specify the details of Blood grouping
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO5	Specify the classification and characteristics of Differential count of WBC. 1 unit
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO6	Specify in details with examples Coagulase test
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO7	Learn the characteristics of WIDAL test
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO8	Write down in details with application, if applicable, VDRL test
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO9	Specify the characteristics of Spot ELISA.
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO10	Specify the classification and characteristics of ODD - Ouchterlony Double Diffusion
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO11	Learn the details of RID -RadialImmuno Diffusion
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO12	Learn in depth Study of AFB –slide
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBT601	Immunology &Medical Microbiology	CO13	Specify in details with application, if applicable, Study of pathogenic microorganisms –Shigella spp, Clostridium spp, Staphylococcus spp; Streptococcus spp, Entamoeba spp; Plasmodium spp, and Candida spp (Slides)

B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO1	Learn in depth Major developments in medical microbiology
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO2	Specify the characteristics of Factors responsible for microbial pathogenicity
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO3	Identify in details with application, if applicable, Microbial flora of the human body
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO4	Deliberate the characteristics of Important groups of pathogenic microorganisms
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO5	Learn in details with examples Bacterial Diseases a. Syphilis
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO6	Deliberate in details with examples Diphtheria
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO7	Deliberate the details of Tetanus
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO8	Specify in details with application, if applicable, Typhoid
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO9	Identify in depth Cholera
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO10	Identify in depth Tuberculosis
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO11	Deliberate in details with application, if applicable, Viral Diseases a. Rabies
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO12	Learn the details of b. Hepatitis A,B
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO13	Write down the details of c. HIV
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO14	Write down in details with examples Protozoan Diseases a. Amoebiasis
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO15	Understand in details with examples b. Malaria

B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO16	Identify the classification and characteristics of Fungal Diseases a. Candidiasis
B.Sc (Genetics/ Biochemistry/ Microbiology)	MBP603	Immunology &Medical Microbiology	CO17	Identify the characteristics of b. Cutaneous mycoses