Criteria 2- Teaching- Learning and Evaluation

2.6 Student Performance and Learning Outcome

2.6.1.Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

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Mula Education Society's

Shri Dnyaneshwar Mahavidyalaya Newasa

Course Outcomes

(2022-23)

(A) Faculty of Science

1. Department of Chemistry

Programme:B.Sc.(Bachelorof Science)	
CH-101:PhysicalChemistry	
Thestudent who successfullycompletesthis course students will be able to:	
CO1	Student's willbeabletoapplythermodynamicprinciplestophysicalandchemical process.
CO2	Calculationsofenthalpy,Bondenergy,Bonddissociation energy,resonance energy
CO3	Maintainrecords ofquantitativeand qualitative analysis.
CO4	Variationofenthalpywithtemperature–Kirchoff"sequation
CO5	Thirdlawofthermodynamicanditsapplications,KnowledgeofChemicalequilibrium willmakestudentsto understand
CO6	RelationbetweenFreeenergyandequilibriumandfactorsaffectingonequilibrium constant.
F.Y.B.Sc.Chemistry	
CH-102:OrganicChemistry	
Thestudent who successfullycompletes this course students will be able to:	
CO1	Thestudentsareexpectedtounderstandthefundamentals, principles,andrecent Developments in the subject area.
CO2	Itisexpectedtoinspireandboostinterestofthestudentstowardschemistryas The main subject
CO3	Tocreatefoundationforresearchanddevelopmentin Chemistry
F.Y.B.Sc.Chemistry	
CH-103:Chemistry Practical Course	
Thestudent who successfullycompletes this course students will be able to:	
CO1	ImportanceofchemicalsafetyandLabsafetywhileperformingexperimentsin laborato
CO2	Determinationofthermochemicalparametersandrelatedconcepts
CO3	Elementalanalysisoforganiccompounds(non-instrumental)
CO4	TechniquesofpHmeasurements
CO5	ChromatographicTechniquesforseparation ofconstituentsofmixture

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Course Outcomes

(2022-23)

F.Y.B.Sc. Chemistry	
CH-201:InorganicChemistry	
Thestudent who successfullycompletes this course students will be able to:	
CO1	Varioustheories andprinciplesappliedtorevelatomicstructure.
CO2	Origin of quantum mechanics and its need to understand structure ofhydrogenAtom.
CO3	Schrodingerequationforhydrogenatom
CO4	Shapesoforbital‟sidentification
CO5	Explainrulesforfillingelectronsinvariousorbital‟s-Aufbau‟sprinciple,Pauli exclusion principle, Hund‟s rule of maximum multiplicity
CO6	Discusselectronicconfigurationofanatomandanomalouselectronicconfigurations.
CO7	Describestabilityof half-filled andcompletelyfilledorbital‟s
CO8	Discussconceptofexchange energyandrelativeenergiesofatomic orbital‟s
CO9	DesignSkeletonoflongformofperiodictable.
CO10	DescribeBlock, group,modernperiodiclawandperiodicity
CO11	Classificationofelements asmaingroup,transitionandinnertransitionelements
CO12	Explaincharacteristicsofionicbond,typesofions,energyconsiderationininionic bonding,latticeandsalvationenergy andtheirimportanceinthecontextofstability and solubility of ionic compounds
CO13	Explaincharacteristicsofionicbond,typesofions,energyconsiderationininionic bonding, latticeandsalvationenergy andtheirimportanceinthecontextofstability and solubility of ionic compounds.
CO14	DefineFajan‟srule, bondmoment, anddipolemomentandpercentioniccharacter.
F.Y.B.Sc.Chemistry	
CH-202:Analytical Chemistry	
Thestudent who successfullycompletes this course students will be able to:	
CO1	Calculations ofmole, molarconcentrations andvariousunitsofconcentrations whichwill be helpful for preparation of solution.
CO2	Relationbetweenmolecularformulaandempiricalformula
CO3	Stoichiometrycalculationand explanation
CO4	Define term mole, millmole, molar concentration, molar equilibrium concentration andPercent Concentration.
CO5	SIunits, distinctionbetween mass andweight
CO6	Basics of type determination, characteristic tests and classifications, reactions of different functional groups.
CO7	Elementalanalysis-Detectionofnitrogen,sulfur,halogenandphosphorousby Lassiagen‟s test

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(2022-23)

S.Y.B.Sc.Chemistry	
CH-301:PhysicalChemistry	
Thestudent who successfullycompletes this course students will be able to:	
CO1	Define/Explainconceptofkinetics, termsused, ratelaws, molecularity, order.
CO2	Explainfactorsaffectingrateofreaction. Explain/discuss/deriveintegratedratelaws,characteristics,expressionforhalf-lifeand examples of zero order, first order, and second order reactions
CO3	Determinationoforderofreactionbyintegratedrateequationmethod,graphicalmethod, Half-life methodanddifferentialmethod.
CO4	Explain/discussthetermenergyofactivationwiththehelpofenergydiagram.
CO5	Explanationfortemperaturecoefficientandeffectoftemperatureonrateconstantk.
CO6	DerivationofArrheniusequationandevaluationofenergyofactivationgraphically.
CO7	Derivationsofcollisiontheoryandtransitionstatetheoryofbimolecularreactionandcopa
CO8	Solve/discusstheproblembasedapplyingtheoryandequations.
CO9	Define/explainadsorption, classificationofgivenprocessesintophysicalandchemicaadsorption.
CO10	Discussfactorsinfluencingadsorption,itscharacteristics,differentiatestypes as physisorptionand Chemisorption
CO11	ClassificationofAdsorptionIsotherms, toderiveisotherms.
CO12	Explanationofadsorptionresultsinthelightof Langmuiradsorptionisotherm,Freundlich "s
CO13	Applyadsorptionprocesstoreallifeproblem.
CO14	Solve/discussproblemsusingtheory.
S.Y.B.Sc.Chemistry	
CH-301:AnalyticalChemistry	
Thestudent who successfullycompletes this course students will be able to:	
CO1	Define explainand comparemeaningofaccuracyandprecision.
CO2	Applythemethodsofexpressingtheerrorsinanalysisfrom results.
CO3	Explain/discussdifferenttermsrelatedtoerrorsinquantitative analysis.
CO4	Applystatisticalmethodstoexpresshis/heranalyticalresultsinlaboratory. Solveproblemsapplyingequations
CO5	Explain / define different terms in volumetric analysis such as units of concentration,indicator,equivalencepoint,endpoint,standardsolutions,primaryandsecondarystandards,completingagent,precipitatingagent,oxidizingagent,reducingagent,redoxindicators,acid base indicators, metallochome indicators, etc.
CO6	Performcalculationsinvolvedinvolumetricanalysis.
	Explainwhyindicatorshowcolourchangeand pHrangeofcolourchange.
CO7	Topreparestandardsolutionandperformstandardizationofsolutions.
CO8	Toconstructacid–basetitrationcurvesandperformschoiceofindicatorforparticular titration.

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Course Outcomes

(2022-23)

	Applyvolumetricmethodsofanalysistorealprobleminanalyticalchemistry/industry

S.Y.B.Sc.Chemistry	
CH-302:InorganicChemistry	
Thestudnt who successfullycompletes this course students will be able to:	
CO1	Definetermsrelatedtomolecularorbitaltheory (AO, MO, sigmabond, pibond,bondorder, Magneticpropertyofmolecules,etc.).
CO2	ExplainandapplyLCAOprincipleforthetheformationofMO"sfromAO"s.
CO3	Explainformationofdifferenttypesof MO"sfromAO"s.
CO4	Distinguishbetweenatomicandmolecularorbitals, bonding, anti-bondingandnonbondingMolecularorbitals.
CO5	DrawandexplainMOenergyleveldiagramsforhomoandheterodiatomic molecules
CO6	Define different terms related to the coordination chemistry (double salt, coordinationcompounds, coordinatebond, ligand, centralmetalion,complexiooordination number,Magneticmoment, crystalfieldstabilizationenergy, typesofligand, chelateeffect, etc.)
CO7	ExplainWerner"stheoryofcoordinationcompounds.Differentiatebetweenprimary secondaryValency.Correlatecoordinationnumberandstructureofcomplexion.
CO8	ApplyIUPACnomenclaturetocoordinationcompound.
S.Y.B.Sc.Chemistry	
CH-302:OrganicChemistry	
Thestudent who successfullycompletes this course students will be able to:	
CO1	Identifyanddrawthestructuresaromatichydrocarbonsfromtheirnamesorfromstructurename can be assigned.
CO2	Explain/discusssynthesisofaromatic hydrocarbons.
CO3	Givethemechanismofreactionsinvolved.
CO4	Explain/Discussimportantreactionsofaromatichydrocarbon.
CO5	Tocorrelatereagentandreactions.
CO6	Write/discussthemechanismofNucleophilicSubstitution (SN1, SN2andSNi) reactions.
CO7	Explain/Discussimportantreactionsofalkyl/aryl halides.
CO8	Tocorrelatereagentandreactions.
CO9	Givesynthesisofexpectedalkyl/aryl halides.
CO10	Identifyanddrawthestructuresalcohols/phenolsfromtheirnamesorfromstructurenamecanbe assigned.
CO11	Abletodifferentiatebetweenalcoholsandphenols
CO12	Explain/discusssynthesisofalcohols/phenols.
CO13	Write/discussthemechanismofvariousreactionsinvolved.
CO14	Explain/Discussimportantreactionsofalcohols/ phenols.
CO15	Tocorrelatereagentandreactionsofalcohols/phenols
CO16	Givesynthesisofexpectedalcohols/ phenols.

CO17	Write/discussthemechanismofNucleophilicSubstitution(SN1,SN2andSNi)reactions
CO18	Explain/Discussimportantreactionsofalkyl/aryl halides.
CO19	Tocorrelatereagentand reactions.
CO20	Givesynthesisofexpectedalkyl/aryl halides.
S.Y.B.Sc.Chemistry	
CH-303:ChemistryPractical– III	
Thestudent who successfullycompletes this course students will be able to:	
CO1	Verifytheoreticalprinciplesexperimentally.
CO2	Interprettheexperimentaldataonthebasisoftheoretical principles.
CO3	Correlatetheorytoexperiments.Understand/verifytheoreticalprinciplesbyexperimentobservations;explainpracticaloutput/datawiththehelpoftheory.
CO4	Understandsystematicmethodsofidentificationofsubstancebychemicalmethods.
CO5	Writebalancedequationforthechemicalreactionsperformedinthelaboratory.
CO6	Performorganicandinorganicsynthesisandisabletofollowtheprogressofthe chemicalReactionbysuitablemethod (colourchange, ppt.formation, TLC).
CO7	Setuptheapparatus/preparethesolutions-properlyforthedesignedexperiments.
CO8	Performthequantitativechemicalanalysisofsubstancesexplainprinciplesbehindit
CO9	Systematicworkingskillinlaboratorywillbeimpartedin student.
CO10	Verifytheoreticalprinciplesexperimentally.
CO11	Interprettheexperimentaldataonthebasisoftheoretical principles.
CO12	Correlatetheorytoexperiments.Understand/verifytheoreticalprinciplesbyexperiment
S.Y.B.Sc.Chemistry(Semester:IV)	
CH-403:PhysicalChemistry	
Thestudent who successfullycompletes this course students will be able to:	
CO1	Definethetermsinphaseequilibriasuchas-system,phaseinsystem,componentsin system,degreeoffreedom,one/twocomponentsystem,phaserule,etc.
CO2	ExplainmeaningandTypesofequilibriumsuchastrueorstatic,metastableand unstable equilibrium
CO3	Discussmeaningofphase, componentanddegreeoffreedom.
CO4	Deriveofphaserule.
CO5	Explain of one component system with respect to: Description of the curve, Phaserelationshipandtypicalfeaturesfori)Watersystemii)Carbondioxidesystemiii) Sulphur system
CO6	Definethetermsinphaseequilibriasuchas-system,phaseinsystem,componentsin system,degreeoffreedom,one/twocomponentsystem,phaserule,etc.
CO7	ExplainmeaningandTypesofequilibriumsuchastrueorstatic,metastableand unstable equilibrium
CO8	Discussmeaningofphase,componentanddegreeoffreedom.

CO9	Deriveofphaserule.
CO10	Explain of one component system with respect to: Description of the curve, Phaserelationshipandtypicalfeaturesfori)Watersystemii)Carbondioxidesystemiii) Sulphur system
CO11	Definethetermsinphaseequilibriasuchas-system,phaseinsystem,componentsin system,degreeoffreedom,one/twocomponentsystem,phaserule,etc.
CO12	ExplainmeaningandTypesofequilibriumsuchastrueorstatic,metastableandunstabl eequilibrium
CO13	Discussmeaningofphase, componentanddegreeoffreedom.
CO14	Definevariousterms, laws,different iateidealandno-idealsolutions.
CO15	Discuss/explainthermodynamicaspectsofIdealsolutions-Gibbsfreeenergychange, VolumeChange, Enthalpychangeandentropychangeofmixingof Ideal solution.
CO16	Differentiatebetweenidealandnon-idealsolutionsandcanapplyRaoult"slaw.
CO17	Interpretationofi) vapourpressure–compositiondiagramii)temperature-compositiondiagram.
CO18	Explaindistillationofliquidsolutionsfromtemperature–compositiondiagram.
CO19	Explain/discussazeotropes,Leverrule,Henryslawanditsapplication.
CO20	Discuss/explainsolubilityofpartiallymiscibleliquids-systemswithuppercritical.Solutiontemperature, lowercriticalsolutiontemperatureandhavingbothUCSTandLCST.
CO21	Explain/discussconceptofdistributionofsoluteamongstpairofimmisciblesolvents.
CO22	Derivedistributionlawanditsthermodynamicproof.
CO23	Applysolventextractiontoseparatethecomponentsoffrommixtureinterest.
CO24	Solveproblembyapplyingtheory.
S.Y.B.Sc.Chemistry(Semester:IV)	
CH-403:AnalyticalChemistry	
Thestudent who successfullycompletes this course students will beable to:	
CO1	Conductance,Ohm"slaw,cellconstant,specificandequivalentconductance,molar conductance, Kohlrausch's law, etc. Discuss / explain Kohlrausch's law and its Applications,Conductivity Cell,ConductivityMeter,WhetstoneBridge.
CO2	Explain/discussConductometrictitrations.
CO3	ApplyConductometric methodsofanalysistorealprobleminanalyticallaboratory.
CO4	Solveproblemsbasedontheory/equations.
CO5	Correlatedifferenttermswitheachotherandderiveequationsfortheircorrelations
CO6	absorbance,molar,LambertsLaw,Beer"sLaw,molarabsorptivity
CO7	Discuss/explain/deriveBeer"slawofabsorptivity.
CO8	Explainconstructionandworkingofcolorimeter.
CO9	Applycolorimetricmethodsofanalysistorealprobleminanalyticallaboratory.
CO10	Solveproblemsbasedontheory/equations.
CO11	Correlatedifferenttermswitheachotherandderiveequationsfortheircorrelations
CO12	Explain/definedifferenttermsincolumnchromatographysuchasstationaryphase,mobilephase,elution,adsorption,ionexchangeresin,adsorbate,etc.
CO13	Explainpropertiesofadsorbents,ionexchangeresins,etc.

CO14	Discuss/explainseparationofionicsubstancesusingresins.
CO15	Discuss/explainseparationofsubstancesusingsilicagel/alumina.
CO16	Applycolumnchromatographicprocessforrealanalysisinanalytical laboratory.
CO17	Explain/definedifferenttermsincolumnchromatographysuchasstationaryphase, mobilephase,elution,adsorption,ionexchangeresin,adsorbate,etc.
CO18	Explainpropertiesofadsorbents,ionexchangeresins,etc.
S.Y.B.Sc.Chemistry(Semester:IV)	
CH-404:InorganicChemistry	
Thestudent who successfullycompletes this course students will be able to:	
CO1	Isomerismincoordinationcomplexes
CO2	Explaindifferenttypesofisomerismincoordinationcomplexes.
CO3	ApplyprinciplesofVBTtoexplainbondingincoordinationcompoundofdifferent geometries.
CO4	Correlatenoofunpairedelectronsandorbitalsusedforbonding.
CO5	Identify/explain/discussinnerandouterorbitalcomplexes.
CO6	Explainprincipleof CFT.
CO7	Applycrystalfieldtheorytodifferenttypeofcomplexes(Td,Oh,Sq.Plcomplexes)
CO8	Explain:i)strongfieldandweakfieldligandapproachinOhcomplexesii)Magneticpro pertiesofcoordinationcompoundsonthebasisofweakandstrongligandfield
CO9	Ligandconcept.iii)Originofcolorofcoordinationcomplex.
CO10	Calculatefieldstabilizationenergyandmagneticmomentforvariouscomplexes.
S.Y.B.Sc.Chemistry(Semester:IV)	
CH-404:OrganicChemistry	
Thestudent who successfullycompletes this course students will be able to:	
CO1	Afterstudyingthealdehydesandketonesstudentwillableto
CO2	Identifyanddrawthestructuresaldehydesandketonesfromtheirnamesorfromstructu renamecan be assigned
CO3	Explain/discusssynthesisofaldehydesand ketones.
CO4	Write/discussthemechanismreactionsaldehydesandketones.
CO5	Explain/Discussimportantreactionsofaldehydesandketones.
CO6	Tocorrelatereagentandreactionsofaldehydesandketones
CO7	Givesynthesisofexpectedaldehydesand ketones.
CO8	Identifyanddrawthestructurescarboxylicacidsandtheirderivativesfromtheirnames orfromstructurenamecanbeassigned.
CO9	Explain/discusssynthesisofcarboxylicacidsandtheirderivatives.
CO10	Write/discussthemechanismreactionscarboxylicacidsandtheirderivatives.
CO11	Explain/Discussimportantreactionsofcarboxylicacidsandtheirderivatives.
CO12	Correlatereagentandreactionsofcarboxylicacidsandtheirderivatives
CO13	Givesynthesisofexpectedcarboxylicacidsandtheirderivatives.
CO14	Identifyanddrawthestructuresaminesfromtheirnamesorfromstructurenamecanbea ssigned.
CO15	Explain/discusssynthesisofcarboxylicamines.
CO16	Write/discussthemechanismreactionscarboxylicamines.
CO17	Explain/Discussimportantreactionsofcarboxylicamines.

CO18	Tocorrelatereagentandreactionsofcarboxylicamines.
CO19	Givesynthesisdiazoniumsaltfromaminesandreactionsofdiazoniumsalt.
CO20	Drawthestructuresofdifferentconformationsofcyclohexane.
CO21	Definetermssuchasaxialhydrogen,equatorialhydrogen,andconfirmation,substiuted Cyclohexane, etc
CO22	Convertoneconformationofcyclohexanetoanotherconformationandshouldableto
CO23	Identifygoverningstructuralchanges.
CO24	Explain/discussstabilitywithrespecttopotentialenergyofdifferentconformationsof Cyclohexane.
S.Y.B.Sc.Chemistry(Semester:IV)	
CH-405:PracticalChemistry	
Thestudent who successfullycompletes this course students will be able to:	
CO1	Verifytheoreticalprinciplesexperimentally
CO2	Interprettheexperimentaldataonthebasisoftheoreticalprinciples.
CO3	Correlatethetheorytotheexperiments.Understand/verifytheoreticalprinciplesbyexperimentorexplainpracticaloutputwiththehelpoftheory
CO4	Understandsystematicmethodsofidentificationofsubstancebychemical methods.
CO5	Writebalancedequationforallthechemicalreactionsperformedinthelaboratory.
CO6	Performorganicandinorganicsynthesisandabletofollowtheprogressofthe chemicalnreaction.
CO7	Setuptheapparatusproperlyforthedesignedexperiments.
CO8	Performthequantitativechemicalanalysisofsubstancesandabletoexplainprinciples
T.Y.B.Sc.Chemistry	
CourseCH:505:Industrialchemistry,Sem.-V(Credit:02)	
Thestudent whosuccessfullycompletes thiscoursestudents willbe ableto:	
CO1	Afterstuddingthechapter basicconceptsofIndustrial Chemistry,understoodthe Conceptofbasicindustrialchemicals, theirusesandmanufacturingprocess.
CO2	Raw material required for manufacturing of basic industrial chemicals, source of the raw materials,manufacturingprocessofbasicchemicalswiththehelpofflowchart,alse physico-chemicalprincipalsinvolvedinmanufacturingprocess
CO3	Understood the Process of manufacture of raw and refined sugar with help of flow chart. Canunderstooduseofvaluablebyproductobtainedduringmanufacturingofsugarasan desired product.
CO4	Fermentation: After careful study of fermentation, get an idea about the basic requirementoffermentationprocess,conditionrequiredforfermentation, rawmaterialforproductionof Alcoholic beverages. The manufacture of ethyl alcoholusingmolasses(whichiabyproductofsugarindustry)andfruitjuice.Manufacturingofwine,beer,Vickyetc.from Foodgra in.Also importanceofpower alcoholasan alternativeofpetrochemical fuel.

CO5	Can understood raw materials required for manufacturing of soap and detergents. Types of soap products, chemistry of soap. Meaning of the term‟s Surfactants, Types of surfactants, Raw materials for detergents Detergent builders, additives Washing action of soap and detergent.Cleaningactionofsoapanddetergents,AdverseEffectofbothsoapand detergent onenvironment, toxicityofsurfactants.
CO6	Dye: After studying the chapter Dyes, students got an idea about what are Dye intermediates, Structural features of various dyes; can classifydyes using various methods, get an detailed knowledge about Synthesis, Structures, properties and applications of dye. Pigments: Can classify the Classification; compare the difference between dyes and pigments, properties of pigment, Production processes of zinc oxide and iron oxide.

T.Y.B.Sc. Chemistry	
CH-511(A):EnvironmentalChemistry ((Credit:02))	
Thestudent whosuccessfullycompletes thiscoursestudents willbeableto:	
CO1	Importanceandconservationofenvironment.ii. Importanceofbiogeochemicalcycles
	WaterPollution: GetandeepknowledgeaboutWaterresources, whatisHydrologicalCycle, types of pollutants i.e. Organic and inorganic pollutants iv. Water quality parameters
CO2	AnalyticalTechniquesinwaterAnalysis: Cananalyzewatersamples, predicttheanalysis result. Can understand drinking water quality parameters, water required for various industries.
CO3	Explain/describevarioustermsrelatedtoelectrochemistry,nuclearchemistryandapplication of radioactivity, crystallography and basics of quantum chemistry
CO4	Derive relations between / among various terms / quantities related to Electro chemistry,nuclearchemistry andapplicationofradioactivity,crystallography and basics of quantum chemistry.
CO5	Applyhisknowledgetoexplainexperimentalobservationandshouldabletocorrelate theory and particle or observed facts. Can study the industrial pollution and its adverse effect.

T.Y.B.Sc. Chemistry
CourseCH-604InorganicChemistrySem-VI (Credit:02)
Thestudent who successfullycompletes this course students will be able to:

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Course Outcomes

(2022-23)

CO1	Understand what is M-C bond and to define organometallic chemistry, understand the multiple bonding due to CO ligand, methods of synthesis of binarymetal carbonyls, define 18 electron rule and use of it"s for the stability of organometallic compounds, Understand the importance of organometallic compoundsinhomogeneousandheterogeneouscatalysis,getverydeepknowledgeregardingChemistryofferroceneanditsindustrial applications.
CO2	Understand the phenomenon of catalysis, its basic principles and terminologies. ii. Define and differentiate homogeneous and heterogeneous catalysis. iii. Give examples and brief account of homogeneous catalysts. iv. Understand the essentialpropertiesofhomogeneouscatalysts-Givethe catalyticreactionsforWilkinson"sCatalysis,hydroformylationreaction, Monsanto acetic acid synthesis, Heck reaction v. Understand the principle ofheterogeneous catalyst and development in it. vi. Give examples of heterogeneouscatalysts. vii. Understand the classification and essential properties of heterogeneous catalysts. viii. Give the brief account of Hydrogenation of olefins, Zeolites in catalysis, biodieselsynthesis,andAutomotiveExhaustcatalystsix.Understandthecatalytic reactionsusedinindustries around
CO3	Identify the biological role of inorganic ions & compounds. ii. Know the abundance of elements in livingsystem and earthcrust. iii. Givetheclassification ofmetals as enzymatic and non-enzymatic. iv. Understand theroleofmetals in non-enzymaticprocesses.v. Know themetalloproteinsofiron.vi.Explainthefunctionsofhemoglobinandmyoglobinin O2transportand storage. vii.Understand thetoxicityof CN-and CObindingto Hb. viii.Draw
	The structureof Vit.B12andgiveits metabolism.
CO4	Know thytypesof Inorganicpolymersii.comparisonwithorganicpolymersiii.synthesis, structural aspects of Inorganicpolymers iv. Understand the polymers ofSi, B, Si and P v. Inorganicpolymersandtheiruse.

T.Y.B.Sc. Chemistry	
CH-610(A):ChemistryofSoilandAgrochemicals (Credit:02)	
Thestudent who successfullycompletes this coursestudents will be able to:	
CO1	Understoodvariouscomponentsofsoilandsoilpropertiesandtheirimpactonplant growth
	UnderstoodtheReclamationandmanagementofsoilphysicalandchemicalconstraints.
CO2	Understoodtheclassificationofthesoil.
	UnderstoodtheReclamationandmanagementofsoilphysicalandchemicalconstraints
CO3	Usefulinmakingdecisionsonnutrientdose, choiceoffertilizersandmethodofapplication etc. practiced in crop production.

CO4	Gotexperienceonadvancedanalyticalandinstrumentationmethodsintheestimationof soil.
CO5	UnderstoodvariousNutrientmanagementconceptsandNutrientuseefficienciesofmajorandmicronutrientsandenhancementtechniques
CO6	Properunderstandingofchemistryofpesticideswillbeinculcatedamongthestudents.
CO7	DerivenamesofsuperheavyelementsandsymbolsformIUPACrules
CO8	Impartsknowledgeondifferentpesticides,theirnatureand, modeofactionandtheirfateinsoilso as to monitor their effect on the environment.

M.Sc SEM-I (MasterofScience) InOrganicChemistry

ProgrammeSpecific Outcomes.	
PSO1	Understandingtheprinciplesand rulesusedinChemical Science
PSO2	Advancedphysical,inorganicandorganicchemistry
PSO3	Becomeaskillfulandresearchoriented chemist.
PSO4	Buildup theknowledgeofmultidisciplinarysubjecti.e.Chemistrybiologyinterface
PSO5	Knowledgeofadvancedinstrumentsusedinresearc handdevelopment
PSO6	Knowledgeofnaturalproductsandsynthesisof carbohydrates
PSO7	Innovationsand creativity.

Course:CHP-110Physical Chemistry	
CO1	Realizethe termsionicstrength, activity coefficient, DHOequation.
CO2	Learntwoandthreedimensional box,mechanicsoftheparticle
CO3	LearnParent-daughterrelationship, application sofradioactivity..
CO4	Understandtheadsorption of gases bysolid typeof isotherm
CO5	Knowthestatisticalthermodynamicsandvariouspartitionfunctions
O6	Recognizedthe FrickeandCerricsulphateDosimeter
CO7	Studythe steadystateapproximationmichaelis- mentenmechanis

Course:CHI-130-Inorganic chemistry	
CO1	Studentshouldvisualize/imaginemoleculesin3dimensions..
CO2	Tounderstandtheconceptofsymmetryandable topassvarioussymmetryelementsthrough the molecule.
CO3	Understandtheconceptandpointgroupandapplyittomolecules
CO4	Tounderstandproductofsymmetryoperations.
CO5	Toapplytheconceptofpointgroupfordeterminingopticalactivityanddipolemoment
CO6	StudentshouldunderstandtheimportanceofOrthogonalityTheorem
CO7	Theyshouldabletolearntherulesforconstructingcharactertable.
CO8	Usingreductionformulaeshouldbeabletofindoutthepossibletypeofhybridization
CO9	Studentshouldknowtheconceptof SALC.
CO10	Studentabletofindoutcharacterforreducible representation.
CO11	Toknowaboutprojectionoperator.

CO12	Applyprojectionoperatortofindoutthenormalizedwavefunctionforatomicorbital
CourseCHO-150- Basic Organic chemistry	
CO1	Tounderstandsomefundamentalaspectsoforganicchemistry,tolearntheconcept aromaticity, to understand the various types of aromaticity
CO2	Tostudyheterocycliccompoundcontainingoneandtwoheteroatomswiththeirstructure, synthesis and reactions.
CO3	To knowstereochemistryoforganic compounds;able to do interconversion ofFischer to Newmann, Newmann to Sawhorse and vice versa, Able to assign R and S to given molecules;understandstereoselectiveandstereospecificreactions;acquireknowledge on topicity
CO4	To study structure, formation, stability and related name reaction of intermediates like Carbocation, Carbanion, FreeRadical, Carbenesandnitrenes; Recognizeneighboringgroupparticipation.
CO5	Tostudyrearrangementreactionwithspecificmechanismandmigratoryaptitudeofdifferent groups.
CO6	TostudyYlidesandtheirreaction.
CO7	Tounderstandsthebasisofredoxreaction;acquireknowledge aboutthereagentswhich causes selective.
Course:CHO-190-General Chemistry.	
CO1	Studentswillbeabletoexplorenewareasofresearchinbothchemistryandalliedfieldsof science and technology
CO2	Studentswillbeabletofunctionasamemberofaninterdisciplinaryproblemsolvingteam..

CO3	Toimpartthestudentsthoroughideainthechemistryofcarbohydrates, aminoacids, proteinsandnucleicacidsetc.
CO4	Beabletodescribethechemicalbasisforreplication, transcription, translationandhow each of these central processes can be expanded to include new chemical.
CO5	Developskillstocriticallyreadtheliteratureandeffectivelycommunicateresear china peer setting matter

Course:CHP-107-Basic Practical Chemistry.	
CO1	Attheend ofthe coursethestudentswillknow andrecall the fundamentalprinciples Of organic chemistrythatincluderesearchand development.
CO2	Determinationofanorder ofareaction
CO3	ApplicationofColorimetryand spectrophotometry
CO4	GreenChemistryprinciplesandapplicationin organic transformations.
CO5	Applicationoffewefficientcatalystintheorganic reaction
Course:CHG-190Inorganicchemistry,Materialanalysis,synthesis&application.	
CO1	Studentsaretrainedtodifferentpurificationtechniquesinorganicchemistrylike recrystallization, distillation, steam distillation and extraction.
CO2	Studentsaremadeawareofsafetytechniquesandhandlingofchemicals.
CO3	Studentswillbeabletoexplorenewareasofresearchinbothchemistryandalliedfieldsof scienceandtechnology.
CO4	Toimpartthestudentsthoroughideainthechemistryofcarbohydrates,aminoacids,proteins and nucleic acids etc..
CO5	Developskillstocriticallyreadtheliteratureandeffectivelycommunicateresearchinapeer setting.

M.Sc-SemII(Masterof Science) inOrganic Chemistry

Course:CHP-210Physical Chemistry	
CO1	Knowthe qualitativeproperties ofsolution, thedepression infreezing point, Elevationinboilingpointandosmoticpressure.
CO2	Candefineradioactivedecayprocessesandnuclear radiation
CO3	Knowstheprinciplesof radiationhygieneandthe interactionofradiation and matter..
CO4	Canupdatehimself/herselfoncurrentmethodsinradiochemistry.
CO5	Learnthemolecularspectroscopy,Ramanspectroscopy,IRspectroscopy, electronicspectroscopy,Mossbauer spectroscopyandits applications.

Mula Education Society's

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Course Outcomes

(2022-23)

Course:CHI-230-Inorganic chemistry	
CO1	Importanceofbioinorganicchemistry..
CO2	RoleofmetalsinMetalloproteinandmetalloenzymes
CO3	Similaritiesincoordinationtheoryformetalcomplexesandmetalionscomplexedwithbiologicalligands..
CO4	Importanceandtransportofmetalions.
CO5	Passivetransportmetalionsbyionophoresandgramicidin.
CO6	MechanismforactivetransportofNa+andK+
CO7	Nerveimpulsegenerationinrodcellofretina.
CO8	ImportanceandfunctionofCa,FeandMgin metalloprotein
CO9	Studentshouldable tofind outthe noofmicrostatesand meaningfultermsymbols, Constructionofmicrostatetableforvariousconfiguration
CO10	Studentshould knowtheconceptof weakandstrongligand field.
CO11	Studentshouldknowbasicd-dtransition,d-pmixing,chargetransferspectra
CO12	Hund‟srulesforarrangingthetermsaccordingtoenergy
Course:CHO250-Photo**chemistry& Pericyclic Reaction.**	
CO1	StudentswillbeabletounderstandtheMOTandwillbeabletoextendthisinpredicting reaction mechanism and stereochemistry of electrocyclic reactions.
CO2	Theconceptsinfreeradicalreactions,mechanismandthestereochemicaloutcomes
CO3	Students should able to write MO diagram for various olefinic compounds and should abletopredicttheproducts,thestereochemistryaswell as shouldabletounderstandthepreferredreactionpathways
CO4	Studentshouldabletocalculateλmaxvalueoforganiccompoundscontainingmorethanone and less than four conjugated systems. Students should able to correlate IR bands withzfunctionalgroupsusingnumericaldataaswellasspectral data.
CO5	Thebasicprincipleofspectroscopicmethodsandtheirapplicationsinstructure elucidation of organic compounds using given spectroscopic data or spectra
Course:CHG290-General Chemistry	
CO1	Studentswillbeabletoexplorenewareasofresearch inbothchemistryandalliedfields of science and technology.
CO2	Studentswillbeabletofunctionasamemberofaninterdisciplinaryproblemsolving team.

CO3	Toimpartthestudentsthoroughideainthechemistryofcarbohydrates, aminoacids,prote insandnucleicacidsetc.
CO4	Beabletodescribethechemicalbasisforreplication, transcription, translationandhow each of these central processes can be expanded to include new chemical matter.
CO5	Developskillstocriticallyreadtheliteratureandeffectivelycommunicateresearchina peer setting.
CO6	Describetheimportanceofchemicalbiologyresearchandinterdisciplinarywork.

M.Sc.-Sem-III(MasterofScience)inOrganic Chemistry

Course:CHO-350OrganicReactionMechanismand Biogenesis	
CO1	Studentswill beable toExplainthe Reaction Mechanisms.
CO2	Freeradical generation,stabilityandtheir application
CO3	CleavageofC-Heteoatomandformationoffree radicals.
CO4	LinearFreeEnergyRelationshipswithHammetequation,deviationand effectsof substituents on the ring.
CO5	Insightof alkaloids,TerpenoidsandTheShikimate pathway
CO6	AlkaloidsisolatedfromtheRootsofPiper nigrum.
Course: CHO-351StructureDeterminationofOrganicCompoundsbySpectroscopic Methods.	
Aftersuccessfullycompletingthis course, students will beable to:	
CO1	Explain basic principles ofNMR spectroscopytechniques.
CO2	Interpret ^{1}Hand ^{13}C NMR spectrum.
CO3	ExplainNOE,APT,DEPTandINEPT techniques
CO4	ExplainCOSY,TOCSY,2D-INADEQUATE,2D-ADEQUATE,NOESY, ROESY, HSQC, HMQCandHMBCtechniques.
CO5	Explainbasic principles ofMass Spectrometryspectroscopy.
CO6	IonizationmethodslikeEI, CI,ES, MALDIandFAB-Fragmentation.
CO7	IsotopicAbundanceinstructureestablishmentandAnalysisof Biomolecules.
CO8	Structureelucidation usingUV,IR,NMRandMass Spectrometrytechniques.

Course:CHO-352StereochemistryandAsymmetricSynthesisofOrganicCompounds.

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Course Outcomes

(2022-23)

CO1	Aftersuccessfullycompletingthis course, studentswill beable to: Explainthe Stereochemistryofpolysubstitutedcyclohexane,sixmemberedringswithSP2 carbon, heterocycles with N and O.
CO2	Stereochemicalprinciplesinvolvedinreactionsof sixmemberedringsand otherthansixmemberedrings.
CO3	Decidewhethertheobjectchiralorachiraland Locateasymmetric carbonin molecule
CO4	Calculatetheoptical purityof a enantiomericexcess.
CO5	Beableto know the understand stereochemistryofmono ,di ,trisubstituted Cyclohexane.
CO6	Resolutionandanalysisofstereomers - formationofracemizationandmethodsofresolution.
Course:CHO353BProtection-DeprotectionChironApproachandCarohydrate Chemistry	
CO1	Aftersuccessfullycompletingthis course, students will beable to explain: ConceptsofProtection-De-protectionandChironApproach.
CO2	UseofvariousProtection-De-protectionReagantinOrganicsynthesis,
CO3	Useof variousChiral Auxillareisforstereoseletivesynthesis
CO4	Thestudentsshoulduderstandthechemistryofcarbohydrates,aminoacids,proteinsand nucleic acids etc
CO5	Synthesisofthevarious Glycosides,Mono and Polysaccharides.
CO6	ResolutionandanalysisofstereomersoftheCarohydrates.
Course:CHO-354Practical-ISolventFreeOrganic Synthesis.	
CO1	Aftersuccessfullycompletingthis course, studentswill beable to: Explain SolventFreeCarbon–CarbonBondFormation.
CO2	Solvent-FreeC–NBondFormation.
CO3	Solvent-FreeC–SBondFormation
CO4	Solvent-FreeC–XBondFormation
CO5	Solvent-FreeN–NBondFormation.

M.Sc.SemIV(MasterofScience)inOrganicChemistry

Course:CHO-450ChemistryofNatural Products.	
CO1	Aftersuccessfullycompletingthiscourse, students willbeable tolearn: Understandingand planningof totalsynthesis while maintainingthe stereochemistry
CO2	ExplaintotalSynthesisHirsutellone.
CO3	ExplaintotalSynthesisRibisins
Course:CHO451OrganometallicReagents inOrganicSynthesis	

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Course Outcomes

(2022-23)

CO1	Aftersuccessfullycompletingthis course, studentswill beable to: Explainuse of transitionmetalcomplexesinorganicsynthesis
CO2	ExplainC=Cformation reactions.
CO3	IllustrationofRingformationreactions
CO4	Explainconceptof Metathesis.
CO5	ExplaintheuseofBoronandSiliconreagentsinorganicsynthesis
CO6	Illustratetechniquesof fishharvesting,preservation&processing
CO7	Comparethe techniques used in fisherydevelopment
Course:CHO452(A): Medicinal Chemistry.	
CO1	Aftersuccessfullycompletingthis course, studentswill beable to: Explain Proteins asbiological catalystNucleic acids
CO2	ExplainPrincipleofdrug design,Chemistryof diseasesandDrugdevelopment
CO3	ExplainPeptides,sequencingandapplicationsintherapeutics
CO4	ExplainDesignofOxamniquine.
CO5	ExplainPharmacokineticsandPharmacodynamics
CO6	Explain Structureand activityRelationship: QSAR And application
Course:CHO-453:Practical-IIISection-I:TernaryMixtureSeparation Section-II:CarbohydratesSynthesisandIsolationNatural Products	
CO1	Aftersuccessfullycompletingthis course, students will beable to: Understand andemployconceptof typedeterminationand separation.
CO2	Performqualitativeestimationoffunctionalgroups.
CO3	Recrystallize/distilltheseparatedcompounds.
CO4	CarbohydrateSynthesis.
CO5	Isolationofpigmentsfromthenaturalproducts
CO6	Isolationof essentialoilsfromthenaturalproducts
CO7	Isolationofmedicinallyimportant component fromthenatural products
Course:CHO454: PracticalII:ConvergentandDivergentOrganicSyntheses.	
CO1	Aftersuccessfullycompletingthis course, students willbeableto:Learnc onvergent Synthesisinvolvingacylation,reduction.
CO2	DivergentSynthesisinvolvingacylation,nitration,Onepotsynthesis
CO3	Resolutiontechnique
CO4	Sulfonation reaction
CO5	ThreeStageSyntheses

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Course Outcomes

(2022-23)

2) Department of Physics

F.Y.B.ScPaper-ISemester–I	
PhysicsPaper–I(PHY-111)MechanicsandPropertiesof Matter	
Onsuccessfulcompletion ofthiscoursestudentswill beableto dothe following	
CO1	DemonstrateanunderstandingofNewton'slawsandapplyingthemin calculations of the motion of simple systems
CO2	Usethe freebodydiagrams to analyses the forceson the object.
CO3	Understandthe conceptsofenergy,work,power,theconceptsofconservation ofenergyAnd beableto performcalculationsusingthem.
CO4	Understandthe conceptsofelasticityandbe abletoperformcalculationsusingthem
CO5	Understandtheconceptsofsurfacetensionand viscosityandbeable toperform Calculationsusing them.
CO6	UseofBernoulli"stheoreminreallifeproblems.
CO7	Demonstratequantitative problemsolvingskillsin allthetopics covered.
F.Y.B.ScPaper-ISemester–II	
PhysicsPaper–I(PHY-121)Heatand Thermodynamics	
Aftersuccessfullycompletingthis course, the student willbeable todo thefollowing:	
CO1	Describethepropertiesofandrelationshipsbetweenthethermodynamic properties of a pure substance
CO2	Describetheidealgasequationanditslimitations
CO3	Describetherealgas equation
CO4	Applythelaws of thermodynamics toformulatethe relations necessarytoanalyze athermodynamicprocess
CO5	Analysestheheatenginesandcalculatethermalefficiency
CO6	Analyzethe refrigerators,heatpumps andcalculatecoefficientof performance.
CO7	Understandproperty,,entropy"andderivesomethermodynamicalrelationsusinge ntropyconcept.
CO8	Understandthetypesofthermometersandtheirusage.
F.Y.B.ScPaper-IISemester–I	
PhysicsPaper–II(PHY-112)PhysicsPrinciplesandApplications	
Onsuccessfulcompletion ofthiscoursestudentswill beableto dothe following:	
CO1	Tounderstandthe generalstructureofatom,spectrumofhydrogenatom.
CO2	Tounderstandtheatomicexcitationand LASERprinciples.
CO3	Tounderstandthebondingmechanismanditsdifferenttypes.
CO4	Todemonstrateanunderstandingof electromagneticwavesanditsspectrum.

CO5	Understandthetypesand sourcesofelectromagneticwavesand applications.
CO6	Todemonstrate quantitativeproblem solvingskillsin allthe topics covered
F.Y.B.ScPaper-IISemester–II	
Physics Paper–II(PHY-122)ElectricityandMagnetism	
Onsuccessfulcompletion ofthiscoursestudentswill beableto dothe following:	
CO1	Tounderstandtheconceptoftheelectricforce,electricfieldandelectricpotentialfor stationarycharges
CO2	Abletocalculateelectrostaticfieldandpotentialofchargedistributionsusing Coulomb's lawandGauss'slaw
CO3	Tounderstand thedielectricphenomenonandeffectof electricfield on dielectric
CO4	ToStudymagneticfieldforsteadycurrentsusingBiot-Savart‟sandAmpere'sCircuital laws
CO5	Tostudymagneticmaterials and its properties.
CO6	Demonstratequantitative problemsolvingskills inallthetopics covered.
S.Y.B.ScPaper-ISemester–III	
CoursePhysics Paper–I(PHY-231)MathematicalMethodsin Physics-I	
Afterthe completionofthiscoursestudents willbeable to	
CO1	Understandthe complexalgebrausefulinphysicscourses.
CO2	Understandthe conceptofpartialdifferentiation.
CO3	Understandthe roleofpartialdifferentialequationsin physics.
CO4	Understandvectoralgebrausefulinmathematicsandphysics.
CO5	Understandthe conceptofsingularpointsofdifferentialequations
S.Y.B.ScPaper-ISemester–IV	
CoursePhysicsPaper–I(PHY-241)Oscillations,Waves,andSound	
Oncompletionofthiscourse,thelearner will b	
CO1	Tostudyunderlyingprinciplesofoscillationsandit‟sscopeindevelopment.
CO2	Tounderstandandsolvetheequations/graphicalrepresentationsofmotionforsimpleharmonic, damped,forcedoscillatorsandwaves.
CO3	Toexplain oscillationsinterms ofenergyexchangewithvarious practical applications
CO4	Tosolvenumerical problemsrelated toundamped, damped,forced oscillations andsuperpositionofoscillations
CO5	Tostudycharacteristics ofsound, decibelscales and applications.
S.Y.B.ScPaper-IISemester–III	
CoursePhysicsPaper–II(PHY-232) Electronics	
Onsuccessfulcompletion ofthis coursethestudentswill beable to	
CO1	Applydifferenttheoremsandlawstoelectrical circuits.
CO2	Understandthe relationsinelectricity.

CO3	Understandtheparameters,characteristics andworkingof transistors.
CO4	Understandthefunctionsofoperationalamplifiers
CO5	Designcircuitsusingtransistorsandapplicationsofoperationalamplifiers
CO6	UnderstandtheBoolean algebraandlogic circuits
S.Y.B.ScPaper-IISemester–IV	
CoursePhysicsPaper –II(PHY-242) Optics	
Onsuccessfulcompletion ofthiscoursethestudentswill beable to	
CO1	Acquirethebasic conceptofwaveoptics.
CO2	Describehow lightcan constructivelyand destructivelyinterfere.
CO3	Explainwhyalight beamspread outafter passingthroughan aperture
CO4	Summarizethepolarizationcharacteristicsofelectromagneticwave
CO5	Understandtheoperation ofmanymodernopticaldevicesthatutilizewave optics
CO6	Understandopticalphenomenonsuchpolarization, diffractionandinterferenceinterms of thewave model
CO7	Analyzesimpleexampleofinterferenceanddiffraction

3)Department of Botany

CourseOutcomesFYB.Sc.BotanySemester-I	
BO-111:PLANTLIFEANDUTILIZATION-I	
Aftersuccessfullycompletingthis course, students will beable to:	
CO1	OutlineCryptogamsAndPhanerogams
CO2	DistinguishcharactersofcryptogamsandPhanerogams.
CO3	Classifythe plants into cryptogams and Phanerogams
CO4	Describethe Lifecycleofplantformsofcryptogams
CO5	Identifylichensand their economicvalue.
CO6	Discussmorphologyof vegetativeandreproductivepartsofplants. Court
BO-112:PLANTMORPHOLOGYAND ANATOMY	
Aftersuccessfullycompletingthis course, students will beable to	
CO1	DefinePlant anatomy&morphology.
CO2	Describebotanicalconcepts,includingplant anatomy.
CO3	Differentiatewithrespecttotissuedistinguishing.
CO4	Studyreproductivestructures in plant
CO5	Learn abouttheformationof fruits.
Course:PracticalBotany-I	
Aftersuccessfullycompletingthis course, students will beable to:	
CO1	Recognizetheliveforms ofCryptogrammicandPhanerogamic plants.
CO2	Analyzeanddescribebotanicalconcepts,includingplantanatomy.

CO3	Illustratethefloralparts, fruits,leavesandtheirtypes.
CO4	Studythe mushroomcultivation.
CO5	CategorizetheplantsintoMonocotandDicotonthebasisofanatomicalcharacters.

CourseOutcomesFYB.Sc.BotanySemester-II	
BO-121:PLANTLIFEANDUTILIZATION-II	
Aftersuccessfullycompletingthis course, students will beable to:	
CO1	Outlineofvascular plants
CO2	utilization&economicimportanceof Vascularplants
CO3	Lifecyclepatterninvascularplants.
CO4	Studyreproductivestructures in plant
CO5	UtilizationandeconomicimportanceofPlant:In food,fodder, fibers,horticultureand medicines.
BO-122:PrincipalsofPlantSciences	
Aftersuccessfullycompletingthis course, students will beable to	
CO1	Knowimportance andscopeofplant physiology
CO2	Tounderstandtheplantsand plantcellsinrelationto water.
CO3	Understandthe respirationin higherplantswithparticular emphasisonaerobicand Anaerobicrespiration.
CO4	Learnaboutthemovement ofsapandabsorptionofwaterinplant body.
CO5	Learnplant growthandplantgrowthregulators.
Course:PracticalBotany-II	
Aftersuccessfullycompletingthiscourse, students willbeableto:	
CO1	Studyofutilizationandeconomicsimportanceof PteridophytesandGymnosperm..
CO2	Studyofutilization andeconomics importanceofAngiospermas food,fodder, fibers,horticulturalandmedicines.
CO3	To studyofvarious stagesin MitosisandMeiosis.
CO4	TostudyPlasmolysis experiment.
CO5	IsolationofgenomicDNAfromgivenplantmaterial.
CourseOutcomesSY B.Sc.BotanySemester-III	
BO231:TaxonomyofAngiospermsand PlantEcology	
Aftersuccessfullycompletingthis course,students will beableto:	
CO1	Defineplant taxonomyand taxonomicrelated terminologies.
CO2	Explaindifferentclassificationsystemsof angiosperms.
CO3	Userequireddata sourcesforclassificationofangiosperms.
CO4	Determine BotanicalNomenclatureofangiosperm plants.
CO5	Recognizeecologicalplantgroupswithexamples.
CO6	Learnplantfamilieswith examples.
CO7	Applyproperherbariummethods -collecting,mounting, andkeepingrecords.
CO8	Executecomputerknowledgeinplant taxonomyanddigital herbarium.

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Course Outcomes

(2022-23)

BO232:PlantPhysiology	
Aftersuccessfullycompletingthis course, students will beable to:	
CO1	LearnaboutScopeandapplicationsofplantphysiology, Absorptionofwater, Roleofwaterinplants.
CO2	ExplainprocessesofAscentofSap, Transpiration.
CO3	Learnnitrogenmetabolismin plants.
CO4	LearnconceptandmechanismsofSeeddormancyandgermination,Physiologyoff lowering.
BO233: Practical	
Aftersuccessfullycompletingthiscourse, students willbeableto:	
CO1	Classify&identifytheplantfamilies.
CO2	Drawthe floraldiagramofplantsbelongingtospecific families.
CO3	Demonstratephysiologicalexperiments,andFermentation products.
CO4	Demonstrate&perform pH,plasmolysis, osmosis,DPD
CO5	Describeinternalstructureofplantorgans.
CO6	DescribetheTranspirationprocess.
CourseOutcomesSY B.Sc.BotanySemester-IV	
BO241:PlantAnatomyand Embryology	
Aftersuccessfullycompletingthiscourse	
CO1	StudyPlant Anatomy, Embryology.
CO2	Describevarioustissuesystemsinplantslikeepidermal, mechanicalandvascular.
CO3	InterpretthePrinciples-incompressibility, inextensibility, shearingstressetcinplants.
CO4	Explaintheprocessofnormalandabnormalsecondarygrowthin plants.
CO5	Identifythe processof pollinationand fertilization.
CO6	DiscusstheStructureanddevelopmentprocessof maleandfemale gametophyte
CO7	Thetypesofmicrospore, ovules, embryo,seedand endosperm.
BO242:Plant Biotechnology	
Aftersuccessfullycompletingthis course, students will beable to:	
CO1	Understandingtheterminologies relatedtoplant biotechnology.
CO2	UnderstandingofPlanttissueculturetechnology.
CO3	Interprettheproduction ofSinglecellproteins.
CO4	Studymethod ofgeneisolation from theplants and their application
CO5	LearnMethodsofgenetransferinplants.
CO6	Studytheconcept and typeof Genomics, Proteomics and Bioinformatics-database,classification
CO7	Studytheconcept of Bioremediation andBefoul technology
BO243:Practical PaperIII	
Aftersuccessfullycompletingthis course, students will beable to:	
CO1	Knowpractical knowledgeofplant familyof angiosperms
CO2	Studyof different ecological groups andmethodsto studyvegetations inforests.

CO3	Studydifferent parameters ofplant physiologylikeWHC, DPD, Rate oftranspiration and Differentinstrumentsusedin physiology.
CO4	Studyof Different tissue systems and normalandanomalous secondarygrowth.
CO5	Studyoffermentation techniques,Spirullina cultivationfor S
CourseOutcomesTY B.Sc.BotanySemester-V	
PaperI(BO-351)-Algaeand Fungi	
Aftersuccessfullycompletingthiscourse	
CO1	Learn aboutthestructure, pigmentation,foodreservesandmethodsof reproduction of
	Algae
CO2	Learnaboutthestructure,pigmentation,foodreservesandmethodsof reproductionof Fungi
CO3	KnowabouttheEconomicimportanceof algae,Fungiandlichen
CO4	Studiedsomeplantdiseases withspecial referenceto thecausativeagents, symptoms, etiologyandcontrol measure
CO5	Increasethe awarenessandappreciationofhuman friendlyfungi,algaeand their economicimportance
CO6	Conductexperimentsusingskillsappropriateto subdivisions
PaperII (BO-352) Archegoniate	
Aftersuccessfullycompletingthis course, students will beable to:	
CO1	Demonstrateanunderstandingofarchegoniate, Bryophytes,Pteridophytesand Gymnosperms
CO2	Developcriticalunderstandingonmorphology,anatomyandreproductionofBryophytes, Pteridophytes and Gymnosperms
CO3	Understandingofplant evolutionand theirtransition toland habitat.
CO4	Demonstrateproficiencyin theexperimentaltechniques andmethodsof appropriate analysisofBryophytes,Pteridophytes, Gymnosperm
PaperIII (BO-353)Spermatophytaand Palaeobotany	
Aftersuccessfullycompletingthis course, students will beable to:	
CO1	Learngeneralcharactersof phanerogams
CO2	Definefossiland fossil groups.
CO3	Studylifecycleof*Pinus*and*Gnetum.*
CO4	Originof Angiospermandtheir theories.
CO5	Structure&typesof various fossils.
CO6	To studydifferent systems ofclassification.
CO7	StudyofplantfamiliesasperBenthamandHooker‟ssystem
Paper-IV(BO-354)Plant Ecology	

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Course Outcomes

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Aftersuccessfullycompletingthis course,students will beableto:	
CO1	BasicConceptsofplantecologywillbelearned
CO2	Adaptationinnature,atmosphereandplantwillbelearned
CO3	Effectsofabiotic/non-livingandbiotic/bioticfactorsonlivingplants,interactions andinter-relationshipamongthemselveswillbelearned
CO4	Ecologicaladaptationandevolution(Ecophene,Ecotype,andEcospeciesnotions) will belearned
CO5	EcologicalImportanceofvariationsbetweentheplantspecieswillbelearned.
CO6	Ecologicalsuccessionsandclimaxnotionswillbelearned.
CO7	Strategiesandruleregulationsforplantprotectionwillbelearned
Paper-V(BO-355)CellandMolecular Biology	
Aftersuccessfullycompletingthis course,students will beableto:	
CO1	Understandingterminologiesrelatedtocellandmolecularbiology.
CO2	StudentwillbeabletounderstoodUltrastructure,componentsandfunctionsofallcel lorganelles.
CO3	To studyMorphologyandultrastructureofnucleus, nucleolus.
CO4	Studentwill beable tounderstood DNA replication.
CO5	DescribeReplication,Transcri ptionand Translationprocesses.
CO6	Explaingeneactionandregulation.
Paper–VI-(BO-356) -GeneticsandEvolution	
Aftersuccessfullycompletingthis course, students will beable to:	
CO1	DefinetheterminologiesofGenetics andevolution.
CO2	Studyof MendelianGenetics.
CO3	DiscusstheInteractionsofgenes.
CO4	ExplaintheConcept, Characters and Examplesof multiplealleles.
CO5	DescribetheEuploidy, Aneuploidy andchromosomal aberrations.
CO6	DetermineLinkage, Crossingoverandquantitativeinheritance.
Practical-1(357)BasedonBO351&BO 352	
CO1	UnderstandthebasicstructureandstudyofAlgae,fungi,Bryophytes,Pteridophytes &Gymnosperm.
CO2	TounderstandthelifecyclepatternsofAlgae,fungi,Bryophytes,Pteridophytes&G ymnosperm
CO3	Studentswill beableto understandthe cryptogamsas agroup inplant kingdom
CO4	To make it students aware of the status of higher cryptogams and gymnosperms as a group of plant kingdom.
Practical– 2(358) Based onBO353 &BO354	
Aftersuccessfullycompletingthis course, students will beable to:	
CO1	Studentwill beable to understandthe basic knowledgeof botanical gardens.

CO2	Studentswill be ableto understandand structure,functionand morphologyofdifferent Angiospermplant, andvegetative charactersof Angiospermplant.
CO3	Studentswill beable studythecomparativeaccountamongthefamilies of Angiosperms.
CO4	Alsotounderstandthe distinguishingfeatures oftheangiosperms families
CO5	Studentwill beable to understandthe basic knowledgeof botanical gardens. Understandthebasic knowledgeofGymnospermanatomy.
CO6	Studyof physiochemicalproperties ofwaterbodybyusingSacchi disc, ph meter,and
	Electricconductivitymeter.
Practical-3(359)BasedonBO355&BO 356	
CO1	StudentswillbeabletopreparationofFixatives,preparationofstains
CO2	Studentswillbeabletounderstandstructureofvariousstagesofmitosisand MeiosisChromosomesMorphology (fromcolchicinespretreatedOnionroottip cells).
CO3	Studentswillbeabletounderstandtechniqueof InductionofCmetaphaseinsuitable Plantmaterial,IsolationofplantgenomicDNA,ExtractionandestimationofRNAa nd Preparation of salivary gland chromosomes in Chironomous larvae.
CO4	Studyofstructuralheterozygote‟s(multipletranslocations)inRhoeo,Studyofhum an genetic traits, Problems on quantitative inheritance and Problems on Multiple Alleles
Paper-VII(BO-3510)Medicinal Botany(SkillEnhancementCourse)	
Aftersuccessfullycompletingthiscourse	
CO1	Studentswill beable tounderstand concept,scope andimportanceofMedicinal plants.
CO2	DiscussAyurvedicprinciplesandAyurvedic formulation
CO3	ExplainconceptofAyurvedicPharmacy.
CO4	Discusstheprocessof cultivation,collectionand processingofMedicinal plants.
CO5	StudyofEthanbotany Folkmedicines
Paper-VIII(BO-3511) PlantDiversityandHumanHealth(SkillEnhancementCourse)	
Aftersuccessfullycompletingthiscourse	
CO1	Appreciatetheneedofbiodiversityconservationinthecontextofvariousdevelopme ntalpathwaysandpolicyframework that the mankind has been undergoing
CO2	Conceptsof Hotspots, megadiversityregions of theworld.
CO3	Systematically understand biodiversity and its vital role in ecosystem function.Identify the importance of biodiversity in natural environments Criticallyexaminebiodiversityandhumanlinkages,andhelppolicyformulatingfor conservationApplicationof knowledgein generalncommunicationforpublic extension.

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Course Outcomes

(2022-23)

CourseOutcomesTY B.Sc.BotanySemester-VI	
Paper-I(BO-361)PlantPhysiologyandMetabolism	
Aftersuccessfullycompletingthiscourse	
CO1	Defineplantphysiologicalconcepts.
CO2	Explanationofthephysiologicalprocesseslikephotosynthesis,respiration,translocatioanstressphysiology.
CO3	Studyvariousphysiologicalandmetabolicpathwaysin plant.
CO4	ExplainDescriptionandclassificationof bimolecular.
CO5	Determinefactorsaffectingenzyme activity.
CO6	Significanceofvariousphysiological &biochemicalprocesses
Paper-II(BO-362)Biochemistry	
Aftersuccessfullycompletingthiscourse	
CO1	Describethechemistryofcarbohydrates, lipids,proteins andnucleicacids
CO2	Describetheclassificationandstructuralorganizationof proteins
CO3	Describetheclassificationandmechanismof enzymeaction
CO4	Describethecatabolicreactionsofcarbohydrates,lipidsandaminoacids
CO5	Describethesignificanceof secondarymetabolites
Paper-III(BO-363)Plantpathology	
Aftersuccessfullycompletingthiscourse	
CO1	Defineterminologiesrelatedplantdiseases.
CO2	Discusstheplantandpathogeninteractionthe economicimportanceof plantdiseases..
CO3	Host-parasiteinteraction &Plantsignaling.
CO4	Theplantdiseases onthebasisof pathogen.
CO5	Controlmeasuresforplant diseases.
CO6	Applymolecular techniques tocontrol the plant diseases.
Paper-IV(BO-364)EvolutionandpopulationGenetics	
Aftersuccessfullycompletingthiscourse	
CO1	UnderstandtheMendelianandneoMendeliangenetics.
CO2	Knowaboutinteractionofgenes, multiple allelesandlinkage andcrossingover.
CO3	Knowaboutsexlinkedinheritance, chromosomalaberrations.
CO4	Knowthe evolutionarysequenceof variousgroups ofplants.
Paper-V(BO-365)AdvancedPlant Biotechnology	
Aftersuccessfullycompletingthiscourse	
CO1	Listtheadvancedtechniquesofplantbiotechnology.
CO2	Summarizethedifferentmethodsofbiotechnology.
CO3	Applythe basicsofmolecularbiologyforbetter understandingof thetechniques
CO4	Comparedifferent techniques ofbiotechnologyonthebasis of principles
CO5	Evaluatethedifferent techniquesinthespecifiedareaof biotechnology

CO6	Integratetheknowledgeoftechniquesofbiotechnologytofindsolutionstodifferent Problem sof society.
CO7	Definebiotechnology, planttissueculture,bioinformatics, genomicsand proteomics.
CO8	DescribePlant TissueCulturetechniques
CO9	ExplaintheconceptandtechniqueofGermplasmand Cryopreservation.
CO10	Describetheconceptof TransgenicPlantsasBioreactors.
CO11	ExplainapplicationsofGenomics,Proteomics,Transgenicplants,Bioinformatics, Germplasmandcryopreservation.
Paper-VI(BO-366)PlantBreedingandSeedTechnology	
Aftersuccessfullycompletingthiscourse	
CO1	Defineplantbreeding,hybridization,Seeds,germinationpercentage
CO2	Describeconventionaltechniques,methods and practicesofbreedinginplants.
CO3	Discussthemechanismsofseedcertification,Seedsampling,storage andpackaging
CO4	ExplaintheseedTestingandSeedmarketing.
CO5	Effectofmutagenonseed germination
Paper-VII(BO3610)NurseryandGardening Management	
Aftersuccessfullycompletingthiscourse	
CO1	Defineobjectives andscopeof nurseryandgardening.
CO2	Illustratetypes, dormancy,and storageandproductiontechnologyofseed.
CO3	Examinedifferenttypesofgardensandtheir operations.
CO4	Analyzedifferentmethodsofvegetative propagation.
CO5	Reviewmethods ofseedlingraisingandcultivationof vegetables.
CO6	Prepareaprojectreport ofthefield visit.
Paper-VIII(BO-3611)Biofertilizers	
Aftersuccessfullycompletingthiscourse	
CO1	Stateandrecallthe microbesusedasbio fertilizer.
CO2	SummarizethemethodofisolationandmassmultiplicationofRhizobium,Azospirillumand Azotobactercarrier-basedinoculants
CO3	Examinetheroleofbluegreenalgae-Azolla,Anabaenaazollaeinnitrogenfixation, outlinethefactorsaffectingtheir growth anduseofAzollainricecultivation
CO4	Distinguishtypesofmycorrhizalassociations.Explaintheisolationandinoculum ProductionofVAMandits influenceongrowthand yieldof cropplants.
CO5	Assessthemethodsoforganicfarming, recommendrecyclingofbiodegradablemunicipal,agricultura Landindustrialwastes.
CO6	Designanddevelopthemethodsformakingbio-compost, vermicompostandtheirfieldapplications.

Mula Education Society's

Shri Dnyaneshwar Mahavidyalaya Newasa

Course Outcomes

(2022-23)

4. Department of Zoology

F.Y.B.Sc.ZoologySemesterI	
ZO-111:Animaldiversity I	
CourseOutcomes After successfullycompletingthiscourse, students willbeableto:	
CO1	Tounderstandthe Animaldiversityaroundus.
CO2	Tounderstandtheunderlyingprinciplesof classificationofanimals.
CO3	Tounderstand the terminologyneeded in classification.
CO4	Tounderstandthedifferences andsimilaritiesinthe variousaspectsof classification.
CO5	Toclassifiesinvertebratesandtobeabletounderstandthepossiblegroupofthe Invertebrateobservedinnature.
ZO -112:Animal Ecology	
CourseOutcomesAftersuccessfullycompletingthiscourse, students will beableto:	
CO1	Thelearnerswillbeabletoidentifyandcriticallyevaluatetheirownbeliefs,valuesand actionsinrelationtoprofessionalandsocietalstandardsofethicsanditsimpacton Ecosystemandbiosphere duetothedynamicsin population.
CO2	Tounderstandanticipate,analyse andevaluatenaturalresourceissuesandactonalifestylethatconserves nature.
CO3	TheLearner understandsandappreciatesthe diversityof ecosystemsandappliesbeyondthe Syllabustounderstandthelocallifestyleandproblemsofthecommunity.
CO4	Thelearnerwillbeabletolinktheintricaciesoffoodchains,foodwebsandlinkitwith Humanlifeforits betterment and fornon-exploitation ofthe bioticand abiotic components.
CO5	Theworkinginnaturetosaveenvironmentwillhelpdevelopmentofleadershipskillst opromotebettermentof environment.
ZO-113: Practical Zoology -I	
CourseOutcomesAftersuccessfullycompletingthis course, students will beable to:	
CO1	Recognizethelive forms ofvertebratesandinvertebrates
CO2	Analyseand describezoologicalconcepts, includingmorphologyand anatomy.
CO3	Explainconservationandsustainableuseofanimals;
CO4	Explainanddemonstratetheimpactthatanimals haveonhuman society.
F.Y.B.Sc.ZoologySemesterII	
ZO-111:Animaldiversity II	
CourseOutcomes After successfullycompletingthiscourse, students will beableto:	
CO1	Tounderstandthe Animaldiversityaroundus
CO2	Tounderstandthe underlyingprinciplesofclassificationofanimals.

CO3	Tounderstand the terminologyneeded in classification.
CO4	Tounderstandthe differencesandsimilarities inthevarious aspectsof classification.
CO5	Toclassifiesinvertebratesandtobeabletounderstandthepossiblegroupofthe Invertebrateobservedinnature.
ZO -122:Cell Biology	
CourseOutcomes After successfullycompletingthiscourse, students will beableto:	
CO1	Thelearnerwillunderstandtheimportanceof cellasastructuralandfunctionalunitof life.
CO2	Thelearnerunderstandsandcomparesbetweentheprokaryotic andeukaryoticsystemandextrapolatesthe lifeto theaspect of development
CO3	Thedynamismofbiomembranesindicatesthedynamismoflife.Itsworkingmechanism And precision areresponsibleforour performance in life.
CO4	Thecellularmechanismsandits functioningdependon endo-membranes and structures
ZO-123: PracticalZoology –II	
CourseOutcomes After successfullycompletingthiscourse, students will beableto:	
CO1	Recgnizethelive forms ofvertebratesandinvertebrates.
CO2	Analyseand describezoologicalconcepts, includingmorphologyand anatomy.
CO3	Explainconservationandsustainableuseofanimals;
CO4	Explainand demonstratetheimpactthat animalshaveonhuman society
S.Y.B.Sc.ZoologySemesterIII	
ZO -231:Animal SystematicandDiversity– III	
CourseOutcomes After successfullycompletingthis course, studentswill beableto:	
CO1	KnowledgeofclassificationofNon-chordatesandchordatesalongwithstudiesonvarious physiologicalfunctionsandinteractionsofnon-chordateorganismswithtype specimens
CO2	Knowledgeofclassificationofchordatesalongwithstudiesonvariousphysiological Functions and comparativeanatomyof organs ofchordate with example.
ZO-232:AppliedZoology-I	
CourseOutcomes Aftersuccessfullycompletingthiscourse, students willbeable to:	
CO1	Understandsprocessesof sericulture, alongwithcroppestmanagementtechniques.
CO2	Studentsgainknowledgeaboutvariousdiseaserelatedvectorsandtheirimpacton human.
ZO-233:PracticalcoursePaper –III–Practical	
CourseOutcomes After successfullycompletingthiscourse, students will beableto:	
CO1	First-handknowledgeaboutidentificationofnon-chordate andchordatespecimens(fresh andpreserved)alongwith larval formsand studyofendoskeleton ofvertebrates

CO2	Understand the nature and basic concepts of cell biology, genetics, taxonomy, physiology, ecology and applied Zoology.
CO3	Analysetherelationshipsamonganimals,plantsand microbes
S.Y.B.Sc.ZoologySemester-IV	
ZO241:AnimalSystematicandDiversity–IV	
CourseOutcomes After successfullycompletingthiscourse, students will beableto:	
CO1	.KnowledgeofclassificationofChordatesalongwithstudiesonvariousphysiological functionsandinteractionsofchordate organisms withdifferenttypesofspecimens.
CO2	Knowledgeof classification ofchordatesalongwithstudies onvarious physiological functionsandcomparativeanatomyoforgans ofchordatewith example
ZO242:AppliedZoologyII	
CourseOutcomes After successfullycompletingthis course, students will beable to:	
CO1	.Understandsprocesses offisheriesandmanagementtechniques.
CO2	Studentsgainknowledge aboutvariousdisease relatedvectors andtheirimpactonhuman
CO3	Understandsconceptsofapicultureandmanagementtechniques.
ZO243: PracticalcoursePaper –III–Practical	
CourseOutcomes After successfullycompletingthis course, studentswill beableto:	
CO1	.First-handknowledgeaboutidentificationofnon-chordateandchordatespecimens(fresh andpreserved)alongwith larval formsand studyofendoskeleton ofvertebrates
CO2	.Understandthenatureandbasicconceptsofcellbiology,genetics,taxonomy,physiology, Ecology and appliedZoology.
CO3	Analysetherelationshipsamonganimals,plantsand microbes
T.Y.B.Sc.ZoologySemester-V	
ZO351 - PestManagement	
CourseOutcomes After successfullycompletingthiscourse, students will beable to:	
CO1	Definepestmanagement
CO2	Describetheeconomic, ecological,and sociologicalbenefitsof IPM.
CO3	Distinguishpositiveandnegativeimpactsofpesticideuse.
CO4	Understandproblemsresultingfrommisuse,overuse,and abuseofchemical pesticides.
CO5	Defineand describepesticide resistanceandhow it develops.
CO6	Identifyecologicalandbiologicalcharacteristicsimportantindevelopmentofpest populations
CO7	Identify10 tacticscommonlyusedinIPM andbeableto distinguish them.
CO8	Understandsociety‟sroleinIPMdecisions.
CO9	Describedifferentgroups ofpestsandcomparethemtoweedsandplantpathogens.

CO10	Analyseandcomparemanagementtacticstodeterminethebestapproachto reducing pest populations, weeds and disease presence.
CO11	Locateappropriate,scientificallyvalidsourcesofinformationonspecifictact icsto manage insect pests, weeds, and diseases.
CO12	Knowandhowtodevelopan IPMprogram.
ZO352 -Histology	
CourseOutcomes After successfullycompletingthis course, students will beable to:	
CO1	Thestudents willbe abletounderstand, classifyand identifythedifferent types of tissue.
CO2	Thestudents will understand the complexityof various tissues in anorgan.
CO3	Thestudentswill beabletolearnstructure&functions ofvarious tissues.
CO4	Thestudentswill understandthevarious diseasesrelatedto organs.
CO5	Thestudent will beable to knowtherole ofglandsin mammals
ZO353-Biological Chemistry	
CourseOutcomes After successfullycompletingthis course, students will beable to:	
CO1	.Learnersshallbeabletounderstandbasic conceptsandsignificanceofbiochemistry
CO2	Thestudents willlearn aboutthepHand Buffers
CO3	Thestudentswilllearnaboutthechemicalstructuresofcarbohydrate,andtheirbiologi calandclinical significance
CO4	Thestudentswillbeabletounderstand,interpretstructureandimportanceof proteins, carbohydrates and lipids
CO5	Learnerswillbeabletocomprehendvariationsinenzymeactivityand kinetics.
ZO354 –Genetics	
CourseOutcomes After successfullycompletingthis course, students will beable to:	
CO1	Describedthe geneticvariationthroughlinkage andcrossingover, gene frequency, chromosomalaberrations andsex determination
CO2	Understoodthetheories ofclassicalgeneticsand bloodgroupinheritanceinman
CO3	Explaintheconceptof mutation. 1) Comprehensive,detailedunderstandingofthechemicalbasisofheredity 2) Understandingthe roleof geneticmechanismsinevolution.
ZO355-DevelopmentalBiology	
CourseOutcomes After successfullycompletingthis course, students will beable to:	
CO1	Havemasteredthefoundationalknowledgethat definesthefieldsof celland developmental biology
CO2	Beabletowriteclearlyandeffectivelyaboutcellanddevelopmentalbiologya tthe graduate level as well as in layperson terms.
CO3	Beabletoexplaincellanddevelopmentalbiologyorallytoprofessionalscient ists, students of the discipline, and to a lay audience.

CO4	Bepreparedtoteach foundationalcellanddevelopmental biologyatthecollege level.
ZO356 -Parasitology	
CourseOutcomes After successfullycompletingthis course, students will beable to:	
CO1	Thestudentswillbeable tolearnabout basicsandscopeof parasitology
CO2	Thestudentswill beable to learnthetypes ofhostand parasite with examples.
CO3	Thestudentswillbe able tolearnaboutthemorphology,lifecycle, pathogenicity
	And treatmentofcommonparasites(ProtistsandPlatyhelminthes).
CO4	Thestudentswillbeabletolearnabouthost-parasiterelationshipsandtheireffects on host body.
CO5	Thestudentswillbeabletolearnaboutthearthropodparasitesandtheirroleasvector
ZO–3511PoultryManagement	
CourseOutcomes After successfullycompletingthis course, students will beable to:	
CO1	Thestudents will be abletounderstand the Poultryfarmingpractices.
CO2	Thestudents will ableto understand the poultrybreeding techniques.
CO3	Thestudents willbe able to understandpoultryrearingtechniques.
CO4	Thestudentswillbeable to understandfeedingrequirementandfood ingredients.
CO5	Thestudents willbe able to understand thepoultrydiseaseand theirpathogens
CO6	Thestudents will beableto understand marketvalue ofpoultryproducts
ZO3510:AquariumManagement	
CourseOutcomes After successfullycompletingthis course, students will beable to:	
CO1	Understandthe rolesofzoosandaquariumsinresearcheducationandconservation.
CO2	Knowthe global,regional,nationalandinstitutionalorganizationofzoosand aquariums..
CO3	Understandthelegislativeframeworkthatzoosandaquariumsworkwithin
ZO357PracticalPaperI	
CO1	Identifythe organs bystudyingthe histologicalslides.
CO2	Identifyhormonal disordersusingpictures.
CO3	Usetechniqueslike chromatography,spectrophotometryinbiologicalexperiments
CO4	Explaintheanatomicalfeatures ofbrain,heart ,kidneyandskinof vertebrates.
CO5	Demonstratethe structureoftissues bymakingtemporaryslides.
CO6	Identify&studythe plant protection appliances, pests, and diseases anddamagecauses.
CO7	Implementation&applicationsof IPM.
CO8	Separationofthe pesticidesorplant products byTLC and Column chromatography.

ZO358PracticalPaperII	
CO1	Demonstratetheeffectofphysical andchemicalfactorsonenzyme activit
CO2	MeasurethepHofgivensamples
CO3	Detectgivencarbohydratesusingbiochemical tests.
CO4	Prepareacidandbasesolutionsandtitratethem.
CO5	Isolate Carbohydrates (Starch), Proteinfrom milk.
CO6	IllustratetheapplicationofHardy–Weinberglaw.
CO7	Illustratetheapplication ofMendelian Laws.
CO8	StudyandidentifyGeneticTraits,HumanKaryotypes&Syndromes,Chromosomal Aberrations.
CO9	Illustrate&learnedHumanBloodGroupSystem.
ZO359PracticalPaperIII	
CO1	ListthehouseholdPestandsocial insect
CO2	Explain the pathogenicityand morphologyof fewectoparasites.
CO3	Explainthe diseases spread byvectors
CO4	Explaintheinterrelationship ofinsectsand human with examples
CO5	Explaintheeffectsof householdinsectsonhuman health
CO6	Demonstraterectalparasitesincockroach
CO7	Identifythe lifecycle stagesof few parasites
CO8	Identifyandexplain thetypesof eggs,blastulae and gastrulae
CO9	Identifythe Stageofchick embryo.
CO10	Identifythe phasesof cell division.
CO11	Preparetemporaryslideofchick embryo to identifythe stageandage
T.Y. B.Sc. Zoology Semester–VI	
ZO361 -Medical& Forensic Zoology	
CO1	Thestudentswill beabletounderstand thebasicsprinciplesofMedicaland Forensic Zoology.
CO2	Thestudents willableto understandscientificmethodsin crimedetection.
CO3	Thestudents willbe able to understandthe advancementsin thefield ofMedical and ForensicZoology.
CO4	Thestudentswill beable to understandmodern tools,techniquesand skillsin forensic
ZO362 -AnimalPhysiology	
Uponsuccessfulcompletionofthiscourse,thestudents willbeabletodescribe,identify, and/orexplain	
CO1	Thevariousphysiologicalorgan-systemsandtheirimportancetotheintegrativefunctionsof The human body.

CO2	UnderstandConcept of energyrequirements
CO3	VariousaspectsofDigestivephysiology.
CO4	Circulatorysystemwithmedicalconditions
CO5	UnderstandRespiratorymechanismandgasestransport.
CO6	Eliminationsofwastematerialsfromthebody.
CO7	Developunderstandingin Structureand functionsof muscles
CO8	Understandformationof gametesandfunctionof endocrine
ZO363	
CO1	Learnershallgetaninsightintomolecularmechanismsofvariousbiological Processe sincellsandorganisms.
CO2	Learner shallgetaninsightintothe Structureof DNAandRNA,DNA andRNAas Genetic material.
CO3	Thecourse shallpreparelearner togetinsightintothe CentralDogmaof Molecular Biology.
ZO364 -Entomology	
CO1	Understandbasicconcepts inEntomologyand itsscop
CO2	ToprovidecomprehensiveoverviewofConceptofEvolution.
CO3	LearnmorphologyandanatomyofInsects.
CO4	Understandthe conceptofsocialorganizationinInsects.
CO5	UnderstandthedevelopmentprocessofInsects.
CO6	Identifydiseasecausinginsect vectors.
CO7	Willbeable todesignand implementpestcontrollingmethodsagainst pests.
ZO365 -TechniquesinBiology	
CO1	Understandthe conceptofHPLC.
CO2	Identifiedthedifferenttypesofmicroscope,viz., compoundmicroscope,dissecting Microscope,electron microscope.
ZO366-Evolutionary Biology	
Aftercompletingthecourse,the studentshould be able to,	
CO1	Students will be able to learn most of the essential aspects of Evolutionary Biology inDetailwhichwillhelptheminacquiringbetterunderstandingregardingthe Subject.
CO2	Explainimportantprocesses,principlesandconceptsandcriticallyevaluate theoriesandEmpiricalresearch withinevolutionarybiology
CO3	Applyevolutionarytheoryandconceptstoaddressempiricalandtheoretical questions in evolutionary biology.

CO4	Independentlyinvestigateevolutionaryquestionsusingliteratureandanalysesof empirical data.
CO5	Communicatetheprinciples,theories,problemsandresearchresultsassociated With questionsthatlie withintheevolutionaryframeworkto student.
ZO3610-EnvironmentalImpact Assessment	
Onsuccessfulcompletionofthecoursestudentswillbeable to	
CO1	Tocriticallyexamineassumptionsinherentinimpactassessment.
CO2	Todevelopskills inidentifyingandsolvingproblems.
CO3	Toprovidestudentswithanunderstandingofthehistoricalevolutionofimpactassessment in selected parts of the world.
CO4	Toprovidestudents withtheknowledgeand professionalskills necessaryto enablethem to undertakeenvironmental impact assessment
CO5	Toexaminearangeofenvironmentalimpact assessments
CO6	Toidentifyandexploreimpactassessmentfieldsand approaches
CO7	Tofamiliarisestudents with avarietyof professional toolsused in predicting environmental impacts
CO8	Toenablestudentstodevelopskillsincriticalthinkingandprofessionalproceduresthrough various forms of oral and written presentation and individual and group work.
CO9	Toencouragestudentstodeveloptheirownperspectivesonimpactassessmentandto be able to relate this to other subject areas and to their wider understanding.
ZO3611 –Project	
Aftersuccessfullycompletingthis course, students will beable to:	
CO1	Explaintheimportanceofmaterial andmethods usedin research
CO2	Illustratetheresearchwork.
CO3	Writeeffectivescientific andtechnicalcommunicationbasedontheproject
CO4	Design experimentationtoprovethehypothesis
CO5	Representinterpretations ofresearchdatawithinscientificandtechnicalcommunities.
ZO367PracticalPaperI	
CO1	Estimationofserum urea, serumuricacidserumCalcium.
CO2	Toexaminehumanhair forcortex and medulla.

CO3	Toexamineand determinethehair morphology
CO4	IdentifyanddifferentiatevarioustypesofFingerprints
CO5	Counttotalleucocytes frombloodsamples.
CO6	Estimatebloodglucoselevel,BT and CT.
CO7	Detection &Illustrationofhumanbloodgroup.
CO8	Estimatehaemoglobin&haemin crystals.
CO9	Qualitativedetectionofnitrogenouswasteproducts(Ammonia,urea,uricacid)ingiven sample
ZO368PracticalPaperII	
CO1	Awareabout the Lab safetytechniques& sterilization
CO2	LearnthePrparationof DNA papermodel andstudyits characteristics.
CO3	EstimationofDNAbyDiphenylaminemethod&RNAbyBial"sOrcinolmethod&
CO4	IllustratePrinciple&applicationofSpectrophotometer&PCR
CO5	Tounderstandthe scope ofEntomologyandgeneral charactersof Insects.
CO6	TostudythemorphologyandanatomyofInsects.
CO7	TolearntheconceptofsocialorganizationinInsects.
CO8	TounderstandmetamorphosisinInsects.
CO9	Tostudythe economicallyimportant insects and Pestmanagement ofharmful insects.
ZO369PracticalPaperIII	
CO1	IllustratestheCompoundandStereomicroscope:Components,usage andmaintenance; Principle&workingof PCR &DNABarcoding.
CO2	IllustratestheTissuecollection, fixation&Blockpreparation.
CO3	Illustrates&SkillBasedLearningSectioning,staining&mounting.Submissionofanythreepermanentslidesfromthreedifferentorgans.
CO4	Identifythefossiltypes/adaptationsin animals.
CO5	Explainthestages ofhuman evolution.
CO6	Explaintheevidencesof evolution.

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Course Outcomes

(2021-22)

5) Departmentof Mathematics

F.Y.B.ScMathsSem-1&Sem-2 Math-1MT-111 Algebra	
Onsuccessfulcompletionofthecourse	
Aftersuccessfullycompletingthis course, students will beable to:	
CO1	Studentsareableto understandsets, relationandfunction.
CO2	Division&EuclideanAlgorithm
CO3	Fermat"sTheorem
CO4	Complexnumbers
F.Y.B.ScMathsSem-1&Sem-2MT-121Analytical Geometry	
Onsuccessfulcompletionofthecourse	
Aftersuccessfullycompletingthis course, students will beable to:	
CO1	Analyticalgeometryoftwo&threedimensions
CO2	Linesinthreedimensions
CO3	Sphere
F.Y.B.ScMathsSem-1&Sem-2Math-2MT-112Calculus-1 &MT-122Calculus-2	
Onsuccessfulcompletionofthecourse	
Aftersuccessfullycompletingthis course, students will beable to:	
CO1	Real numbers
CO2	Sequences
CO3	Series
CO4	Limit&Continuity
CO5	Differenciation
CO6	Ordinarydifferentialequation
CO7	Exactdifferentialequation
F.Y.B.ScMathsSem-1&Sem-2Math-3MT-113 &MT-123Practical Course	
Onsuccessful completionofthe course	
Aftersuccessfullycompletingthis course, students will beable to:	
CO1	Onsuccessfulcompletionofthecoursestudentsareabletounderstandthetheorycourse problem usingmaximasoftware
S.Y.B.ScMathsSem-3 &Sem-4Math-1MT-231Calculusofseveralvariables	
Onsuccessfulcompletionofthecoursestudents areableto understand	
CO1	Limit&continuityof several variables.
CO2	Partialderivatives&differentiability
CO3	Extremevalues
CO4	Double&TripleIntegral
S.Y.B.ScMathsSem-3&Sem-4MT-241Linear Algebra	

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Course Outcomes

(2021-22)

CO1	Matricesandsystemoflinear equations
CO2	Vectorspaces
CO3	Lineartransformations
CO4	Linearisomorphism
S.Y.B.ScMathsSem-3&Sem-4Math-2MT-232(B) GraphTheory	
CO1	Graph
CO2	Path& circuit
CO3	Trees &fundamentalcircuit
CO4	Cutsets &cut vertices
CO5	Connectivity&severability
S.Y.B.ScMathsSem-3&Sem-4MT-242(A)Vector calculus	
CO1	Vectorvalued functions
CO2	Integrals
CO3	Surfaceintegrals
CO4	Applicationsofintegrals
S.Y.B.ScMathsSem-3&Sem-4Math-3MT-233&MT-243PracticalCourse	
Onsuccessfulcompletionofthecoursestudents areableto understand	
CO1	Onmaximasoftwareproblems on theorycourseswill besolved bystudents

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Course Outcomes

(2021-22)

(B) Facultyof Commerce

F.Y.B.COM	
Course1123:Financial Accounting	
Aftersuccessfullycompletingthis course, student will be able to-	
CO1	Classifyliabilitiesunder piecemeal distributionofcashand studentalsoableto practically Solve problems.
CO2	Discussdisposalof assetsandliabilitiesnottaken overbynew firm inamalgamation processwith example.
CO3	ExplainAccountingProcedureinthebooksofthefirmunderConversionofPartnershipFirm intoLtd.Co.andsolvetheproblems
CO4	Demonstratehowtocreate acompany,grouping,generation,AccountingReportwiththehelp Of Accounting Software Package.
CO5	ExplaintheAccountingStandardapplicableinIndia
CO6	Explainsufferedrecoupment andlapseof short-workingwith examples.
CO7	Distinguishbetween HirePurchaseSystemandInstallmentSystem andsolve problemsthereon.
CO8	DemonstrateallocationofexpensesonbasisofApportionmentinDepartmentalAccounts.
F.Y.B.COM	
BankingandFinance[FundamentalsofBanking]	
Aftersuccessfullycompletingthiscourse, student will be able to-	
CO1	Studentwillgetacquainted withthebasics of marketingfield.
CO2	Itwillhighlightonthecoremarketingconceptsnamely'MarketingMix'.Itwillhelpstudents to implement this knowledge in practicality by enhancing their skills in the field of market Segmentation.
CO3	Studentswill develop theskillsof Pricingthe productalongwith gainingknowledgeon ProductMix
CO4	Itwill help thestudents to applythevarious techniques ofPromotion and understand the variouschannelsof distribution
Marketingand Salesmanship- I(FundamentalsofMarketing**)**	
Aftersuccessfullycompletingthis course, student will be able to-	
CO1	Toacquaintthestudentswiththefundamentalsofbanking
CO2	Todevelop thecapabilityofstudents forknowingbanking concepts and operations.
CO3	To makethe students awareof bankingbusiness and practices.
CO4	Togivethorough knowledgeof bankingoperations.
CO5	Toenlighten thestudentsregardingthe newconcepts introduced inthebanking system
S.Y.B.COM	
Course2113:BusinessCommunication-outcomes	

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Course Outcomes

(2021-22)

Aftersuccessfullycompletingthis course, student will be able to-	
CO1	DiscusstheMeaning,Definition,Features,Principles,Importance,ProcessofCommunication, BarrierstoCommunication&itsRemedies.
CO2	Identifythedifferent methodsand channelsof communication
CO3	Classifythe various soft-skills andits elements such asGroomingMannersand Etiquettes, EffectiveSpeaking,InterviewSkills,Listening,GroupDiscussionandOralPresentation
CO4	Describetheconceptofbusinessletter,itsMeaning,Importance,QualitiesorEssentials, PhysicalAppearance, andLayoutofBusiness Letter.
CO5	Developthewritingskillofbusinesslettersonvarioussituationsinbusinesslike Enquiry letter, orderletter,salesletteretc.
CO6	DiscusstheTypes&DraftingofJobApplication Letters
CO7	Studytheinternalofficecorrespondencelike OfficeMemo,OfficeOrders,OfficeCirculars, And PressReleases.
CO8	Explainthe application ofnew technologyin business communication likeWhatsApp, Twitter, Facebook, LinkedIn,You Tube, CellularPhoneandVideoConferencing.
Course2143:BusinessManagement	
Aftersuccessfullycompletingthis course, student will be able to–	
CO1	DiscusstheMeaning,Definition,Features,Principles,Importance,challengesbefore ManagementandBriefReviewofManagementThoughtsof FW Taylor&HenryFayol.
CO2	DiscussMeaning,Definition,Nature,Importance,Forms,Types,Steps,andlimitations of PlanningandDecisionMaking.
CO3	DescribeMeaning,Process&Principles,DepartmentalizationofOrganizationand OrganizationStructure,Staffingand Recruitment
CO4	DiscussMeaning,Elements,Principles,Techniques&importanceofDirectionand communicationandProcess&BarriersofCommunication
CO5	ExplainthedifferenttheoriesofmotivationsuchasMaslow‟sNeedHierarchyTheory, Herzberg‟sTwoFactorsTheory,Douglas McGregor‟sTheory.
CO6	Studytheleadershipstyleforeffectivemanagementandpoliticalleadershipsuchas MahatmaGandhi,Dr.Babasaheb Ambedkar&PanditJawaharlalNehru.
CO7	DiscusstheconceptNeed,Techniques,difficulties,stepsandtechniquesofcoordination andcontrol
CO8	Applytherecent trendsin business management likeBusiness Ethics, Corporate SocialResponsibility,Corporate Governance,DisasterManagement,Managementof Change.
MarketingManagement–I	
Aftersuccessfullycompletingthis course, student will be able to–	
CO1	Toorient thestudents recenttrends inmarketingmanagement

CO2	Tocreateawarenessaboutmarketingofecofriendlyproductsinthesocietythrough students
CO3	Toinculcateknowledgeofvariousaspectsofmarketingmanagementthroughpractical approach
CO4	Toacquaintthestudents with theuseofE-Commerceincompetitiveenvironment
CO5	Tohelpthestudentsunderstandtheinfluencesofmarketingmanagementonconsumer behavior
Banking&Finance–I	
Aftersuccessfullycompletingthis course, student will be able to–	
CO1	Tocreatetheawarenessamongthestudentsof Indianbankingsystem.
CO2	Toenablesstudentstounderstandthereforms and otherdevelopmentsinthe IndianBanking
CO3	Toprovidestudentsinsightinto thefunctionsandrole ofReserve BankofIndia
Elementsof CompanyLaw.	
Aftersuccessfullycompletingthis course, student will be able to–	
CO1	Toimpart students withthe knowledgeoffundamentals of CompanyLaw.
CO2	Toupdatetheknowledge of provisionsof theCompanies Actof 2013.
CO3	Toapprisethe students of newconcepts involving in companylaw regime
CO4	Toacquaintthestudentswiththeduties andresponsibilitiesof KeyManagerial Personnel
CO5	Toimpartstudents theprovisions andproceduresundercompanylaw.
CorporateAccounting	
Toenable thestudents todevelopawareness aboutCorporate Accountinginconformitywith the ProvisionsofCompaniesActandAccountingasper IndianAccountingStandards.	
CO1	Tomakeawarethestudentsabout theconceptualaspect of corporate accounting
CO2	Toenablethestudentstodevelopskillsfor Computerized Accounting
CO3	Toenablethestudentstodevelopskills aboutaccountingstandards
T.Y.B.Com.	
CourseBusinessRegulatoryFramework (MercantileLaw)351	
CO1	Acquaintknowledge and maturitytounderstandContractLaw.
CO2	ToAcquaintknowledge andapplicationofPartnershipDeed.
CO3	Togettrainingtofaceemergingissuesrelating Sale ofGoods Act.
CO4	TogiveComprehensive insightaboutthe emergingtrendof Arbitrationandconciliationandits regulatorymechanism
CourseAdvanced Accounting352	
CO1	Developingunderstandingon applicabilityof various Accounting Standards
CO2	KnowledgeaboutoftheAccountingforCapital Restructuring

CO3	ConceptualClarityandPracticalunderstandingofpreparationoffinalaccountsofbanking compass
CO4	DevelopingknowledgeaboutInvestment Accounting
Auditing354	
CO1	AcquaintwithknowledgeandmaturitytounderstandconceptofAuditing,typesofAuditandAudit Process
CO2	ConceptualClarityandPracticalunderstandingofVouchingVerificationandvaluationandTypesofAuditReport.
CO3	Practicalknowledgeaboutappointment, reappointmentandotherrelatedprovision.PracticalKnowledgea boutTaxAudit asperI.T. Act1961(Form 3CA,3CB&3CD)
CO4	UnderstandingnewconceptsunderAuditofComputerizedSystems&ForensicAudit
MarketingManagement-II– 355 (h)	
CO1	Theobjectiveofthiscourseistofacilitateunderstandingoftheconceptualframeworkof Marketinganditsapplicationsindecisionmakingundervariousenvironmentalconstraints.
CO2	Thecoursewillmakelearnersunderstandhowtomakeeffectivemarketingdecisions, includingassessingmarketingopportunitiesanddevelopingmarketingstrategiesand implementationplans
MarketingManagement- III356(H)	
CO1	Studentwillunderstandthe conceptofadvertising andadvertisingmedia
CO2	Toenablethemtoanalyzeandinterpret
CO3	Toenable thestudents tostudytheAppeals andApproaches in Advertisement
CO4	Itwill help the studentsto applythe various Economicand social aspects of advertising
CO5	Itwillhelp themto implementthis knowledgein practicalsituations byenhancingtheirskills inthefield ofMarketing
BankingandFinance-SpecialPaperII-355-B	
CO1	Tomakethe studentsaboutIndian MoneyMarket.
CO2	Toacquaintthestudents withIndianFinancialSystemanditsvarioussegments.aware
CO3	Toanalyze andunderstandthefunctionsof IndianCapitalMarket
CO4	ToenablethestudentsthefunctioningofForeign ExchangeMarket
Bankingand Finance-SpecialPaperIII-356-B	
CO1	TofamiliarizetheBankingLawsandPracticein correlationtothe Banking
CO2	AspectsofBankingtransactionsanditsimplicationasaBanker andasa customer
CO3	Tomakestudentscapableofunderstandingandapplyingthelegalandpracticalaspectsof bankingto helpthem technicallysoundin banking parlance

MulaEducationSociety's

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Course Outcomes

(2021-22)

M.ComI-I	
ManagementAccounting	
CO1	ExplaintheconceptsofManagementAccountinginorganizationalbusinessenvironment.
CO2	Demonstratevarioustoolsoffinancialstatementsoforganizationalfinancialperformance.
CO3	Illustratemethodsoffinancialstatementanalysis ofanorganization
CO4	Assessdifferenttypesofratiosoforganizationalfinancialperformance
CO5	Estimatethe cash flowof liquiditycapacityoffirm.
CO6	Assessminimumworkingcapital requiredforrunning organization.
CO7	Describeconcept andtypes of responsibilitycentreaccountingfor management
StrategicManagement	
CO1	Describedifferentapproaches ofstrategicdecisionmakingincorporate environment.
CO2	Describevariousstrategiesofbusinessandfactorsaffectingonit
CO3	Analysetechniquesoforganizationalstrengths,weakness,opportunitiesandthreats(SWOT).
CO4	Analyseeffectivenessanditsutilizationincorporatestrategicplanning.
CO5	Illustratethedifferentalternativesofcorporatestrategies.
CO6	Developallocation ofresources fordefiningcorporate strategyof business
CO7	Describethedifferentfunctionalstrategiesfor organizationaleffectiveness.
CO8	EvaluatingtheStrategicPerformancewithactualperformance.
ProductionandOperationManagement	
CO1	Describerecenttrendsin productionandservice system.
CO2	Describedifferentplantlayoutofproductionand operationmanagement.
CO3	Discussprocessofproductdesignofproductionfunction.
CO4	Illustratetechniques and toolsofproductdevelopment.
CO5	Identifyproductionplanninginproduction management.
CO6	Describedifferentconceptofproductcontrol.
CO7	Illustrate roleofTotal QualityManagementin productionandoperationmanagement
CO8	SummarizeconceptsofQualitycircle,TQM,&GMPasaQualitymanagement.
FinancialManagement	
CO1	Identifyfinancialsystemin India &recentchanges.
CO2	IllustrateroleofRBI&SEBIinIndian financialsystem
CO3	Discusscapitalbudgetingtechniquesforfinancialdecisionmaking.
CO4	Illustratecapitalbudgetingmethodsofinvestmentdecisions
CO5	Interpretfinancial statement&its utilityof business firm.
CO6	Describelimitationsoffinancialstatementsinfinancialanalysis.
CO7	Explainconceptof workingcapital management
CO8	Identifyconcept of inventorymanagement&receivable management
M.ComI-II	
FinancialAnalysisand Control	
CO1	Describeconceptsofcapitalbudgeting.

CO2	Computedifferenttoolsandtechniquestoidentifycapital budgeting.
CO3	ExplainTabulatedmeasurementofcostofcapital.
CO4	Interpretexpressionviewofmarginal costing.
CO5	EvaluatepracticalproblemsonmarginalcostingwhichcorrelatestoBEPandP/Vanalysis.
CO6	Illustrateshortrunmanagerialdecision analysis.
CO7	Distinguishconceptofbudgetandbudgetarycontrol.
CO8	Comparativestudyofdifferent varianceanalysis.
M.ComI-II	
FinancialAnalysis and Control	
CO1	Describeconceptsofcapitalbudgeting.
CO2	Computedifferenttoolsandtechniquestoidentifycapital budgeting.
CO3	ExplainTabulatedmeasurementofcostofcapital
CO4	Interpretexpressionviewofmarginal costing.
CO5	EvaluatepracticalproblemsonmarginalcostingwhichcorrelatestoBEPandP/Vanalysis.
CO6	Illustrateshortrunmanagerialdecision analysis.
CO7	Distinguishconceptofbudgetandbudgetarycontrol.
CO8	Comparativestudyofdifferent varianceanalysis.
IndustrialEconomics	
CO1	Explainconceptsofindustrialeconomics.
CO2	Describerelationshipbetweenindustrialandeconomic development.
CO3	Classifyfactors influencingindustrial location
CO4	Explainmajorfactorsaffectingindustrial efficiency.
CO5	Compareprivate and publicindustrialprofileandtheirproblems.
CO6	Describestructureof Indian industries.
CO7	Explainrole ofMicro, Smalland Medium Enterprises.
CO8	Summarizeconceptofindustrialimbalance.
BusinessEthicsandProfessionalValues	
CO1	Identifyconcept of businessethics, profession andvalues
CO2	Definefactorsaffectingonsocialethics.
CO3	Describe IndianEthical Practicesinmarketing,advertisingand Employment.
CO4	IllustrateunethicalpracticesinGenderdiscriminationandaccountingdisclosures
CO5	Describeconceptofcorporategovernanceinbusiness.
CO6	Summarizeconcept of CorporateSocial Responsibilityin business ethics.
CO7	IllustrateIndianapproachestobusiness ethics.
CO8	ExaminenewvaluesinIndianindustriesafter economicreform1991.
ElementsofKnowledge Management	
CO1	Demonstrateconceptsof knowledge management.
CO2	Describeevolutionofknowledgemanagement.
CO3	Summarizedrivesoforganizationallearning.
CO4	Illustrateorganizationallearningframework

CO5	Illustrateknowledgemanagement tools.
CO6	Describeculturalchangemanagement.
CO7	Examineorganizationalculturefororganizationdevelopment
CO8	Criticizemeasuringorganizational culturalandclimateNorms.
M.ComII-III	
HumanResource Management	
CO1	Describeconcept,approaches,and functionsofHRMinIndianbusinesscontext.
CO2	Identifyconcept of HRenvironment in organisation.
CO3	Illustratedifferentmethodsofrecruitmentoforganization.
CO4	Interprettrainingprocessinbusinessorganisation.
CO5	Classifymethods ofperformanceappraisal.
OrganizationalBehavior	
CO1	Defineconceptsoforganizational behaviour.
CO2	Illustrate roleof informationtechnologyinan organization
CO3	Identifyconceptof Horizontalnetwork andvirtualdesignof organization.
CO4	DescribeAttributesofpersonality&dimensionsof attitude.
CO5	Classifytheories of motivation
CO6	Defineconceptof emotionalintelligenceinthe workplace.
CO7	Differentiatevarioustypes conceptofstress, conflictand groups.
CO8	Classifydifferent typesof teams&team building.
ResearchMethodologyforBusiness	
CO1	DefineconceptsofResearchin business.
CO2	Interpretdifferentstepsinbusinessresearch process.
CO3	Rewriteformulationof researchprobleminwritingof researchreport.
CO4	Illustratevarioussample andsamplingmethodsinbusinessresearch.
CO5	Distinguishprimaryandsecondarymethodsof datacollection for research.
CO6	Describevarioustechniquesof dataprocessinginresearch.
CO7	Explainwritingskillforresearchprojectreportinbusiness.
CO8	Describevarious ways ofcitation &bibliographyforwritingof report in business.
Business Finance	
CO1	DefineconceptsofbusinessfinanceinIndianFinancialSystem.
CO2	Identifycategories ofbusiness finance.
CO3	Illustrateroleofstrategic financial planninginbusiness finance.
CO4	DistinguishcomparisonbetweenoverCapitalization&under capitalization
CO5	DiscusscompaniesAct2013.
CO6	Classifysourcesoflongtermfinance.
CO7	Defineconceptof shortterm finance.
CO8	Illustrate roleofworkingcapitalinthebusiness organization

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Course Outcomes

(2021-22)

M.ComII-IV	
CapitalMarketandFinancialServices	
CO1	Definecapitalmarket instruments.
CO2	Differentiateforward,futureand optioncontracts.
CO3	Explainstockmarketin detail.
CO4	Illustratefunctionsofprimaryandsecondarymarketinfinancial market.
CO5	Classifydifferent types of mutual funds.
CO6	Describeconceptofportfoliomanagementandcreditrating.
CO7	IllustrateroleofSEBIinfinancialintermediaries.
CO8	DemonstraterecenttrendsinSecuritiesandExchange BoardofInd
IndustrialEconomicEnvironment	
CO1	Defineconcept ofindustrial finance.
CO2	Explainnewindustrialpolicy1991.
CO3	Demonstrateeffectsofnewindustrialpolicyon industry.
CO4	Illustrateindustrialdevelopment&environmentalproblems.
CO5	Explaindifferentissuesininformationtechnology.
CO6	Describepresentpositionof ITindustriesinIndia.
CO7	Interpretconceptofindustrialrelations.
CO8	Assesscausesofindustrial disputes.
RecentAdvancesinBusinessAdministration	
CO1	Defineconceptsofchangemanagement.
CO2	Describedimensionsandapproachesofchange management.
CO3	Demonstrateconcept of Total qualitymanagement
CO4	Definesixsigmatechniques inqualitymanagement.
CO5	DescribeGlobalmanagementsystemanditssignificance.
CO6	Illustrateroleofmerger andacquisitionincorporateorganization.
CO7	Interprettechniquesofturnaroundmanagementstrategies.
CO8	Analysekeysteps in innovationmanagement.
ProjectWork	
CO1	DescribeconceptsofResearchinbusiness.
CO2	Preparesynopsisforprojectreport.
CO3	Constructformulationofresearch problem.
CO4	Modifysampleand sampling methods.
CO5	Classifyprimaryand secondarymethods of datacollection.
CO6	Describeanalysisandinterpretationof data.
CO7	Rewritereportindifferentareas.
CO8	Summarizemodesofcitation& bibliography.

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Course Outcomes

(2021-22)

(C) Department of BBA (CA)

FYBBA(CA)Sem-I	
CourseCA-101: Business Communication	
CO1	Studentunderstandsimportanceofcommunicationin business.
CO2	Studentscanutilizedthemodernmeans of communicationintheirdailylife
CourseCA-102: Principleof Management	
CO1	Studentsareunderstooddifferentbusinessorganization.
CO2	Studentsarefamiliar aboutrecenttrendsofmanagement.
CourseCA-103: C Language	
CO1	Studentscan solveproblembyanalyzingandconvertinglogical thinkingto computer understandable formatusingC Programming.
CO2	Studentlearnsthebasic terminologies ofC language
CO3	Studentswillbe ableto designtheirown programto solvemathematical problemsusingC Programming.
CO4	Thissubject helps to develop logic to solveanyproblem practically.
CourseCA-104:DatabaseManagementSystem	
CO1	Studentsunderstandbasicdatabaseconceptsindatabasesystem
CO2	Studentscan write SQLqueriesanddo databaseconnectivitywithanyfront-endplatform.
CourseCA-105: Statistics	
CO1	Studentswillbe ableto understandthe conceptof measures of central tendencyand variation,Probability and probabilitydistributions and theirimportancein business.
CourseCA-106:ComputerLaboratoryBasedon103&104	
CO1	Studentscanwriteprograms inCProgrammingandmaketheirowndatabasesusingOracle.
CourseCA-107:Add-On(PPA)	
CO1	AnalyticalandLogicalThinkingisdevelopedamongst students.
CO2	Studentscan find solution ofproblems usingProblem SolvingTechniques
CO3	StudentslearnBasicideaof programming.
CO4	Studentswill beable towritetheirown algorithms.
FYBBA(CA)Sem-II	
CourseCA-201:Organization Behavior&HumanResource Management	
CO1	Studentsenhanceandapplythe knowledgetheyhavereceivedforthe bettermentof the organization
CO2	StudentsareunderstoodtheimportanceofHumanresourcemanagement.
CO3	StudentsareawareaboutdifferentfunctionsofHRM

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Course Outcomes

(2021-22)

CourseCA-202: FinancialAccounting	
CO1	Studentacquired soundknowledgeof basicconcepts of accounting.
CO2	Studentsarepracticingtallysoftwarepackage intheirdaytodaylife.
CourseCA-203: Business Mathematics	
CO1	Studentsunderstandthenatureofmathematicsand beableto use mathematicalconcepts in Business and their day-to-daylife.
CourseCA-204:Relational database	
CO1	Studentsunderstandrelationaldatabaseconceptsandtransactionmanagementconcept sindatabasesystem.
CO2	StudentscanwritePL/SQLprogramsthatuseprocedure,function, package, cursor andtrigger.
CourseCA-205:WebTechnologyHTML-JS-CS	
CO1	Studentswillbeawareofworld‟sbestopen-sourcewebtechnology
CO2	Studentwillbeabletodesignwebsiteuserinterface.clientcommunicative website.
CourseCA-206:ComputerLaboratoryBasedon204&205	
CO1	Studentsunderstandhowdataofdifferenttypescanbehandled/ accessusingdifferent Structures usingC Programming.
CO2	Studentsalsolearn howto accessdataoforacleusingPL/SQLprograms thatuse: procedure, function, package,cursor andtrigger.
CourseCA-207:Add-On (AdvanceC)	
CO1	Studentscan solveproblem byanalyzingandconvertinglogical thinkinto computer
	Understandable formatusingC Programming.
CO2	Studentswillbeabletodesigntheirownprogramtosolvemathematicalproblemsusingc Programming
SYBBA(CA)Sem-III	
CourseCA-301:DigitalMarketing	
CO1	Studentswillbeabletounderstand thenewdigitalmarketandits terminology.
CO2	Studentswillgetgreatestbenefitofdigitalmarketingwhichwillallowtotargettheideal buyer,through socialmedia orwithanydigital platform.
SYBBA(CA)Sem-III	
CourseCA-302:DataStructure	
CO1	Studentswillbeabletounderstand theconceptsofADTs andlearnlineardatastructures–lists,stacks,andqueues.
CO2	Studentswillbeable tounderstandthe sorting,searchingand hashingalgorithmsandapplyTreeandGraphstructures
CourseCA-303:Software Engineering	
CO1	StudentswillbeabletounderstandtheSystemconceptsandlearnSoftwareEngineering concepts.
CO2	Studentswillbeabletounderstandthe applicationsofSoftwareEngineeringconcepts and

	DesigninSoftware development.
CourseCA-304:AngularJS	
CO1	Studentwillbeabletocreate singlepageapplications withAngularJS.
CO2	Student willbeable tounderstandhowto create websiteAngularJS.
CourseCA-305: Big data	
CO1	Studentunderstandandabletodevelopanalyticalskillsincurrentandevelopingareasof Analysisstatistics, andmachinelearning.
CO2	Studentcanbeabletoidentify,developand applydetailedanalytical,creative,problem Solvingskills.
CO3	Courseprovidesacomprehensive platformforcareer development
CourseCA-306:ComputerLaboratoryBasedon302,304and 305	
CO1	Studentswilllearnpracticalapplicationofhowtoimplementdifferentdata structurestosolve Theprobl ems. Theywill beable to applydifferentsortingtechniques on different type's ofdata.
CO2	StudentswillunderstandhowtodesignAngularJSSinglePageApplication,createandb ind controllerswith JavaScript and applyfilterin AngularJS application
CO3	Studentswillbeabletoidentify, developandapplydetailedanalytical, creative, problemsolving skills.
CourseCA-307:EnvironmentAwareness	
CO1	Thiscoursehelpsstudents knowaboutenvironmentalpollution, itseffectonhuman being.
CO2	StudentsgetinformationaboutthegovernmentinitiativesforconservationofEnvironm ent andwhatarethecontrollingmeasures.
SYBBA(CA)Sem-IV	
CourseCA-401: Networking	
CO1	Studentswillgain theknowledgeofComputer Networksandalsoknow aboutworkingofnetworkingmodels, addresses, transmission medias andconnectivitydevices.
CO2	Studentswill understandthe basicsand importanceof networksecurityandcryptography.
CourseCA-402:ObjectOrientedConceptsThroughCPP	
CO1	Studentswill beable tounderstand thebasic object-oriented concepts.
CO2	StudentswillbeabletoapplyC++ featureslikeoperatoroverloading,constructor and destructor, inheritance,polymorphism,andexceptionhandling.
CourseCA-403: Operating System	
CO1	Studentswillbe ableto understandthe basic concepts ofOperatingSystem.
CO2	Studentswillbe ableto understandtheconcept processschedulingwithinthe Operatingsystem,alsogetknowledge aboutDeadlockandif deadlockarisesthenhowtoavoiddeadlock.

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Course Outcomes

(2021-22)

CourseCA-404:NODEJS	
CO1	Studentable tounderstand oneofthemostpopular runtime Environmentto createserver-side applicationwithJavaScript
CO2	Studentunderstandshow tocreateserverapplicationwithnodeis,alsogetinformation about To connectwith database andhow tousethirdpartymoduleincurrent application.
CO3	Studentwill get ideaabout ExpressJs Framework
CourseCA-405:Project	
CO1	StudentsgetideasabouthowtocreateSoftwareprojects.Howtowritethe projectabstract,how towritetheproject documentation.
CO2	Howtocreateadatabasealongwithcodelogictocreatetheinputscreenandgeneratethe outputscreen.
CourseCA-406:ComputerLaboratoryBasedon402,404	
CO1	Studentswilllearnpracticalapplicationofobject-orientedconceptsinprogrammingusingC++.
CO2	Studentswill understandhowtoapplythe useof operatoroverloading, constructor and destructor,inheritance,polymorphism,and exceptionhandlingwith examples.
CO3	Studentswill be ableto understand how toapplyStructureaNodeapplication in modulesandHow to BuildaWebServer in Node.
CourseCA-407:Add-On (JQUERY)	
CO1	StudentswillbeabletounderstandtheJavaScriptlanguageandthedocumentobjectModel.query is JavaScriptlibrary.
TYBBA(CA)Sem-V	
CourseCode:CA-501SubjectName:Cyber Security	
CO1	Have a good understanding of Cyber Security and the Tools.
CO2	Identify the different types of Cyber Crimes.
CO3	Have a good understanding of Cyber laws
CO4	To develop Cyber forensics awareness.
CO5	Identifyattacks, securitypoliciesandcreditcardfraudsinmobileandWirelessComputingEra.
CourseCode:CA-502Subject:ObjectOrientedSoftware Engineering	
CO1	Studentswillbe ableto giveDesign Specificationsfor Project.
CO2	Studentswill acquireKnowledgeinBasicModeling.
CO3	StudentswillacquireProjectManagementSkills.
CourseCode:CA-503Subject:CoreJava	
CO1	Able to solve real world problems using OOP techniques.
CO2	Able to understand the use of abstract classes.
CO3	Abletosolveproblemsusingjavacollectionframeworkand I/oclasses.
CO4	Abletodevelopmultithreadedapplicationswithsynchroniza

CO5	Able to develop applets for web applications.
CO6	Ableto designGUIbased applications
CourseCode:CA-504Subject:MongoDB	
CO1	Learned to work with MongoDB shell and MongoDB tools.
CO2	Able to do Schema design, Data modelling and all sorts of CRUD Operations.
CO3	Learned to optimize query performance.
CO4	Becomecapabletoanalyzethedatastoredin MongoDB
CourseCode:504Subject: Python	
CO1	Defineand demonstratetheuse ofbuilt-in datastructures"lists"and"dictionary".
CO2	Designandimplementa programtosolvearealworld problem.
CO3	DesignandimplementGUIapplicationand howtohandleexceptionsand files
CourseCA-505:Subject:(DSE) Project	
CO1	Studentsgetthebasicideaofhowproblemscanbesolvedusingprogrammingbydevelopingsoftware.
CO2	Theyareableto developsmallscale applicationsbytheirownwhich helpsthem to understandThe processofsoftwaredevelopment. Course
CourseCode:506Subject:ComputerLaboratoryBasedon503and504(2creditseach)	
CO1	Thisishelpingstudentsto learnJavaProgramming/Python inasimple andeffectivemanner sothat students areable towork in companyasadeveloper
CourseCode:CA-507Subject:InternetofThings(IoT) Studentswillbeable	
CO1	Toexplainkeytechnologies, smartobjects,IoTArchitectureandsecurityinInternetofThings.
CO2	Toillustratetherole ofIoTprotocols forefficientnetworkcommunication
CO3	TounderstandIoTplatformsuchasArduinoUno.
TYBBA(CA)Sem-VI	
CourseCode:CA-601Subject:RecentTrendsinIT Oncompletionofthecourse,studentwillbeable	
CO1	Todiscussthebasicconcepts AI.
CO2	Toapplybasic, intermediate and advancedtechniques tomine thedata.
CO3	Toprovideanoverview oftheconceptofSpark programming
CourseCode:CA-602Subject:SoftwareTesting	
CO1	Studentswillbeintroduced totestingtools.
CO2	StudentswillacquireKnowledgeof Basic SQA.
CO3	Studentswillbeable todesignbasicTest Cases
CourseCode:CA-603Subject:AdvancedJava	
CO1	Studentswillknowthe conceptsofJDBC Programming.
CO2	Studentswillknowthe conceptsofMultithreadingandSocket Programming.
CO3	Studentswill knowtheconcepts ofSpringand Hibernate.
CO4	Students will develop theproject byusingJSP andJDBC.
CO5	Studentswilldevelopapplicationsin Springandhibernate.

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Course Outcomes

(2021-22)

CourseCode:CA-604Subject:AndroidProgramming	
CO1	Studentwill beableto writesimpleGUIapplications, usebuilt-in widgetsand components,Work withthedatabaseto storedatalocally,andmuch more.
CO2	DemonstratetheirunderstandingofthefundamentalsofAndroidoperatingsystems DemonstratetheirskillsofusingAndroidsoftwaredevelopmenttools
CourseCode:CA-604Subject:DotNet Framework	
CO1	Usethe features of Dot Net Framework along with the features of VB, C# and ASP
CO2	Designanddevelopwindowbasedandwebbased.NET applications.
CO3	Design and develop a Website.
CO4	DesignandImplement database connectivityusingADO.NETforVB, C#and ASP
CourseCode :DSE– 605 Subject: Project	
CO1	Ithelpstoguidetoopensourcetoolsand frameworks.
CO2	GivestherealtimeexperienceofworkingonJavasoftwareAndroidProgrammingetc.
CourseCode:606Subject:ComputerLaboratoryBasedon603and604(2creditseach)TotalCredits:04	
CO1	Thisis helpingstudents tolearn JavasoftwareAndroid Programmingin asimple and effectivemannerso that students areable to work incompanyasadeveloper.
CourseCode :CA– 607 Subject:SoftSkill	
CO1	Understandthesignificanceandessenceofawiderangeofsoft skills
CO2	Learnhowtoapplysoft skillsin awiderangeofroutinesocial andprofessional settings.
CO3	Learnhowtoemploysoftskillstoimproveinterpersonalrelationships.
CO4	Learnhowtoemploysoftskillstoenhanceemployabilityandensureworkplaceandcareer success.

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Course Outcomes

(2021-22)

(D) FacultyofArts

F.Y.B.A-	
OptionalEnglish(GeneralPaper-1)	
Afterstudyingthis coursestudentwill be able to:	
CO1	Toexposestudentstothebasicsofliteratureandlanguageanddevelopanintegratedview about language and literature in them
CO2	Toacquaintthemwithminorformsofliterature inEnglishandhelpthemtoappreciatethe creative useoflanguageinliterature
CO3	Tointroducethemtothebasicsofphonologyof Englishsothattheycanpronouncebettera ndSpeak English correctly.
CO4	Topreparestudentstogofordetailedstudyandunderstandingof Literatureandlanguage
CO5	Toenhancethejobpotentialofstudentsbyimprovingtheirlanguage skills
F.Y.B.Com	
CompulsoryEnglish	
Afterstudyingthis coursestudentwill be able to:	
CO1	Toofferrelevant and practicallyhelpful pieces ofprose and poetryto students so that they not onlygettoknowthebeautyandcommunicativepowerofEnglishbutalsoitspractical application
CO2	To exposestudents to avarietyof topics that dominatethe contemporarysocioeconomic and culturallife
CO3	Todeveloporalandwrittencommunicationskillsofthestudentssothattheiremployabil ity enhancesd) To developoveralllinguisticcompetence andcommunicativeskillsofstudents.
S.Y.B. AEnglishCompulsoryEnglish	
CO1	Tofamiliarizestudentswithsomeexcellentpiecesofdramaandpoetryin Englishsothatt heyrealize The beautyandcommunicativepowerofEnglish.
CO2	Toenablestudentstobecomecompetentand effectiveusersofEnglishinreallifesituations
CO3	Tocontribute to theoverall personalitydevelopmentof the students
CO4	Toinstil humanitarianvaluesandfostersympatheticattitudeinthestudents
CO5	Toacquaintthestudentswiththeverbalandnonverbalcommunication
CO6	Toimpartknowledgeof someessential softskillsto enhancetheir employability
SkillEnhancementCourse(SEC1-A&SEC2A)	
CourseOutcomes:Afterstudyingthepapersuccessfully,thelearnerswillbeable:	
CO1	Togettheawarenessofphonologicalaspectsof English.

CO2	Toidentifythecareeropportunitiessuitabletothem.
CO3	TounderstandtheeffectiveuseofEnglishindifferentcareers.
CO4	TodevelopcompetenceinusingEnglishforthecareer oftheirchoice.
CO5	Toenhanceskillsrequired fortheirplacement
CO6	Toexerciseverbalaswellasnonverbalcommunicationeffectivelyfortheircareer.
CO7	TouseEnglishinsocietyforinteractingandguidingpeople.
CO8	Toenhancestudentsperformanceincareer/society.
3)DisciplineSpecificCourse(DSC-1A&DSC-2A)	
DisciplineSpecificCourse(DSC-1A&DSC-2A)(OldS-I/II)	
SkillEnhancementCourse(SEC2-A&SEC2-B)(w.e.f.2020-2021)	
CO1	TointroduceDramaandPoetryasamajorformsofliterature
CO2	Todevelopinterestamongthe studentstointeractin English.
CO3	Todevelopinterestamongthestudentstoappreciateandanalyzedrama independently
CO4	Toacquaintandfamiliarizethestudentswiththeelementsandthetypesof Poetry/Drama
CO5	Toenhancestudentsawareness inthe aestheticsofpoetryand toempowerthemto read, appreciate andcriticallyevaluatepoetryindependently.
CO6	Toenhancestudents'awarenessregardingaesthetics ofDramaandtoempower them toevaluatedrama independently
CO7	Toawarethestudentsaboutuniversalhuman values.
CO8	Tocreateopportunitiesto accessexposureof speakinginvarious contexts
CO9	Toacquaintandfamiliarizethestudentswithsoft skills.
T.Y.B.A.Compulsory ENGLISH	
CO1	Tofamiliarizestudents withsomeexcellentpieces ofprose andpoetryinEnglish sothat theyrealizethebeautyandcommunicativepowerof English.
CO2	Toenablestudentstobecomecompetentand effectiveusersofEnglishinreallifesituations
CO3	Tocontributeto theoverallpersonalitydevelopment of the students.
CO4	Toinstill humanitarianvaluesandfostersympatheticattitudeinthe students.
CO5	Totrainthestudents inpracticalwritingskills requiredinwork environment.
CO6	Toimpartknowledgeofsomeessentialsoftskills toenhancetheir employability
SkillEnhancementCourse(SEC1-C&SEC1-D)	
CourseOutcomes:Afterstudyingthepapersuccessfully,thelearnerswillbeable:	
CO1	Togettheawarenessofcareeropportunitiesavailabletothem.
CO2	Toidentifythecareer opportunities suitable to them.
CO3	Tounderstandtheuseof Englishindifferent careers.
CO4	Todevelopcompetence in usingEnglishforthe careeroftheirchoice.
CO5	Toenhanceskillsrequired fortheirplacement.

CO6	TouseEnglish effectivelyin thecareeroftheirchoice.
CO7	Toexerciseverbalaswellasnonverbalcommunicationeffectivelyfortheir career.
CO8	TouseEnglishinsocietyforinteractingandguidingpeople.
CO9	Toenhancestudents performanceincareer/society.
DisciplineSpecificElective(DSE-1C&DSE-1D)	
DisciplineSpecificElective(DSE-2C&DSE-2D)(OldS-4)	
SkillEnhancementCourse(SEC2-C&SEC2-D)(w.e.f.2021-2022)	
TitleofthePaper:MasteringLifeSkillsandLifeValues	
CO1	Toequipthestudentswiththesocialskills
CO2	Totrainthestudentsinterpersonalskills
CO3	Tobuildself-confidenceandcommunicateeffectively
CO4	Toencouragethestudentstothinkcritically
CO5	Tolearnstressmanagementandpositivethinking
CO6	Toenhanceleadershipqualities
CO7	Toawarethestudentsaboutuniversalhuman values
CO8	Todevelopoverallpersonalityofthe students
F.Y.B.AEconomic	
INDIANECONOMICENVIROMENT)	
CO1	Developideasofthebasiccharacteristicsof Indianeconomy;it spotential onnaturalresources.
CO2	Understandtheimportance,causesandimpactofpopulationofgrowthanditsdistribution,translateandrelatedthemwitheconomicdevelopment.
CO3	Grasptheimportance,ofplanningundertakenbythegovernmentofIndia, haveknowledgeon thevariousobjectives,failuresandachievementsasthefoundationoftheongoingplanning and economic reforms taken by the government
CO4	Understand agriculture as the foundation of economic growth and development, analyses theprogressandchangingnatureofagriculturalsectoranditscontributiontotheeconomyasawhole.
CO5	notonlybeawareoftheeconomyasawhole,theywouldunderstandthebasicfeaturesofmizoram‟seconomy,sourcesofrevenue,andhowthestategovernmentfinanceitsprogrammes and projects.
F.Y.B.COM	
BUSINESSECONOMICS)(MICRO)	
Oncompletionofthecoursestudentswill beable to	

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Course Outcomes

(2021-22)

CO1	Tofamiliarizethestudentswiththebasicconceptofmicroeconomics.
CO2	Tomakestudentunderstandthedemandandsupplyanalysisinbusiness applications.
CO3	Tofamiliarisestudentwiththeproductionandcoststructureunderdifferentstagesofproduction.
CO4	DevelopideasofthebasiccharacteristicsofIndianEconomy,it spotentialonnaturalresources.
CO5	Understandtheimportance, causesandimpactofpopulationgrowthanditsdistribution, translateand Relate themwitheconomicdevelopment.
CO6	Demonstratemarginalproductivitytheoryofdistribution, theoryofwages, identifydifferenttypes of rent, and illustratedifferenttheoriesofinterestandprofits.
CO7	Understandhowfactormarketworks, illustratebasictoolinwelfareeconomicsandillustratetheconceptofsocialwelfarefunctionsandcompensationprinciples.
CO8	Identifythevarioustypesofinvestmentfunctionanalysisandunderstandtheelementsofsocialcost benefitanalysis
T.Y.B.A.(INDIANECONOMICDEVELOPMENT)	
Oncompletionofthecoursestudentswill beable to:	
CO1	Torelateandrecognizetheconceptandindicators ofEconomicDevelopment
CO2	Todescribe andanalyzetheconceptandindicatorsofHuman Development
CO3	ToexplainthecharacteristicsofDevelopingandDevelopedCountries.
CO4	Todescribethe constraintstotheprocessofEconomicDevelopment
CO5	Todescribeand explaintheprocess ofEconomicPlanning.
CO6	Todescribeand examinethechangingstructureof planningprocessinIndia.
CO7	TodescribeandexplaintherelationbetweenEconomicDevelopmentand Environment
T.Y.B.A.(INTERNATIONALECONOMICS)	
Oncompletion ofthecoursestudents willbeable to:	
CO1	Torelateandrecalltheconceptsof International Economicsand InternationalTrade.
CO2	To describe and applythetheories ofinternational trade.
CO3	Toexplain and comprehendthe issues relatingtoTerms oftradeandBalanceof Payment.
CO4	Abilitytorelate and explaintheconcept ofExchangeRateandForeignExchangeMarket
CO5	AbilitytodescribethetrendsinGrowth, Composition and Directionof India'sForeignTrade.
CO6	AbilitytocomprehendtheissuesrelatingtoForeign Capitaland RegionalandInternational Co-Operation.
T.Y.B.A.(INDIANPUBLICFINANCE)	

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Oncompletionofthecoursestudentswill beable to:	
CO1	Todescribeand analyzetheconcept ofPublicRevenueandits components
CO2	ToexplaintypesofPublicExpenditureandreasonsforrisingPublicExpenditure
CO3	Toexplainthe typesof PublicDebt andits effects
CO4	Toexplainandassessthe componentsandinstrumentsofFiscal Policy.
CO5	TorelatetotheconceptsofBudgetandits components.
CO6	Todescribeand analyzetheconcept ofDeficitFinancingandits effects.
CO7	Todescribeandexplainthe CentreandState Financial Relationship
TYBASkillEnhancementCourse	
CourseName-Management ofBusiness.	
CO1	Businessplanninganddecision making
CO2	LeadershipSkills-Abilityto workin teams at thesametime, abilityto show leadership Qualities
CO3	AnalyticalSkills– Abilitytoanalyzedatacollectedandinterpretinthemostlogicalmanner
CO4	ProjectReport WritingSkills-Abilityto comprehend and illustrate/demonstrate findings
CO5	PresentationSkills–PPT/Poster-Abilityto illustratefindingsinthemostappealingmanner
CO6	LeadershipSkills:Abilitytoshowleadershipskillswithbusinessideasorwork onbusiness venturesasapracticalexample
F.Y.B.A.	
Gg-110 (A)PhysicalGeographySemesterI	
Oncompletionofthecoursestudentswill beable to	
CO1	Tointroducethestudentstothebasicconceptsin Physicalgeography.
CO2	TointroducelatestconceptinPhysicalgeography
CO3	Toacquaintthestudentswiththeutilityandapplicationof Physicalgeographyindifferentregionsandenvironment.
CO4	Tomakethestudentsawareabout Earthsystem(Lithosphere,Atmosphere,Biosphereand Hydrosphere)
Gg-110 (B)Human GeographySemesterII	
Oncompletionofthecoursestudentswill beable to	
CO1	Tointroducethestudentstothebasic conceptsinHuman geography.
CO2	Tointroducelatestconcept inHuman geography
SYBA	
Gg-210GeographyofDisasterManagement (G2)	
Oncompletionofthecoursestudentswill beable to	

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Course Outcomes

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CO1	Tointroducestudents the concept ofdisaster&its relationwith Geography.
CO2	Toacquaintthe studentswiththeutility&application ofhazardsin differentareas its Management.
CO3	Tomakethe students awareof theneed ofprotection &disaster management.
SYBA	
Gg-220 :Tourism Geography(S-1)	
Oncompletionofthecoursestudentswill beable to	
CO1	Toacquaintthestudent"sbasicconceptsofGeography&Tourism
CO2	Toawarethe students withtheutilityandapplication ofTourism
CO3	Tohelp thestudents &societytounderstand the interrelationship betweentourism andEmployment generationopportunities.
CO4	TounderstandtheimpactoftourismonPhysicalandHumanEnvironments.
Gg-201:FUNDAMENTALSOFGEOGRAPHICALANALYSIS(G2)	
Oncompletionofthecoursestudentswill beable to	
CO1	ToenablethestudentstousevariousProjectionsandCartographicTechniques.
CO2	Toacquaintthestudents withbasicofStatisticaldata.
CO3	Toacquaintthe studentswiththeprinciplesofsurveying, itsimportanceand utilityin thegeographicalstudy.
TYBASEM-V	
Geographyof Tourism-I CC1E(G3)	
CO1	Tounderstand thehistoryofTourism
CO2	Tointroducethestudentstothebasic conceptsinTourism Geography.
CO3	Tounderstandthetypes ofTourism
CO4	TogainknowledgedifferentaspectsofTourism Geography.
Geographyof Tourism-IICC1F (G-3)(SEM – VI)	
CO1	Tounderstand thehistoryofTourism
CO2	Tointroducethestudentstothebasic conceptsinTourism Geography.
CO3	Tounderstandthetypes ofTourism
CO4	TogainknowledgedifferentaspectsofTourism Geography.
Geographyof Rural Development-IDSE 1 C (S-3)(SEM-V)	
CO1	Tounderstandtheconcept,nature and scopeofruraldevelopmentinIndia.
CO2	Tooverviewvariousapproachestoruraldevelopment.
CO3	Todiscusssomeimportantissuesrelated torural development.
CO4	Tostudyvarious schemes andpolicies forrural health inIndia.
Geographyof Rural DevelopmentIIDSE 1 D (S-3)(SEM-VI)	
CO1	Tostudytheproblemsand policiesrelated to educationin rural areas.
CO2	Tocreateawarenessamongthestudents aboutvariousareadevelopmentprogrammes and TargetGroupProgrammesimplementedinIndia.
CO3	Tocreateapositiveapproachfor ruraldevelopment amongthestudents throughtheexamples

	Of successfulcase studies.
PracticalGeography-I(TechniquesofSpatialAnalysis)DSE-2C(S-4) (SEM-VI)	
CO1	Tointroducethebasic conceptsandtechniquesof GeographicalAnalysis.
CO2	TointroducethestudentswithSOIToposheets andacquirethe Knowledgeof Toposheet interpretation
CO3	Tointroducethe studentswithWeatherMapsandacquirethe Knowledgeofits interpretation
CO4	TointroducethestudentswithAerialPhotographsandSatellite Imagesand acquireknowledge tointerpretit
CO5	ToacquaintstudentswiththespatialandstructuralcharacteristicsofPracticalGeography.
PracticalGeography-II(TechniquesofSpatialAnalysis,SurveyingandExcursion/Village/Project Report)DSE-2D(S-4) (SEM-VI)	
Oncompletionofthecoursestudentswill beable to	
CO1	Tointroducethebasic conceptsandtechniquesof GeographicalAnalysis.
CO2	TointroducethestudentswithSOIToposheetsand acquiretheKnowledgeofToposheet Interpretation.
CO3	Tointroducethe studentswithWeatherMapsandacquirethe Knowledgeofits interpretation
CO4	TointroducethestudentswithAerialPhotographs andSatellite Imagesand acquireknowledgeTo interpretit.
CO5	Toacquaintstudents withthespatialandstructuralcharacteristicsofPractical
ISEC2 CValue/Skill basedCourseResearchMethodology- ICREDIT–2(SEM-V)	
CO1	Todevelop theunderstandingofthebasic conceptof research
CO2	Todevelop theunderstandingofthebasicframework ofsampling and datacollection
CO3	Todevelop theunderstandingof various samplingmethods and techniques
SEC2 D Value/Skill based CourseResearchMethodology–II(SEM -VI)	
CO1	Toidentifyvarious sources of information fordatacollection.
CO2	Understandingof the conductingsurveyon various issues anddevelop theReport writing skill ofstudents
F.Y.B.Sc.SemesterI	
Gg.111IntroductiontoPhysicalGeography–I(Geomorphology) P-I	
CO1	Tointroducethestudentstothebasicconcepts in Geomorphology.
CO2	Toacquaintthestudentswith theutilityandapplications ofGeomorphologyindifferent areas And environment.
CO3	Tomakethestudents awareoftheneedofprotectionand conservationofdifferent landforms

Gg.112Introduction toPhysicalGeography-II(GeographyofAtmosphereand Hydrosphere)P-II	
CO1	Tointroducethestudentstothebasicconcepts inAtmosphereand Hydrosphere
CO2	Toacquaint thestudentswith theutilityandapplications of Atmosphereand HydrosphereinDifferentareas and environment.
CO3	Tomakethestudents awareof theneed ofprotection andconservationofAtmosphereand Hydrosphere.
Gg.113Practicalsin PhysicalGeographyP-III	
CO1	To IntroducetheStudentswithMaps,Map Scale andits Element.
CO2	To IntroducetheStudentswithvariousMapProjection.
CO3	ToIntroducetheStudentswithvarioustypesofRepresentationof Data.
Gg121IntroductiontoHuman Geography P-I	
Oncompletionofthecoursestudentswill beable to	
CO1	Thiscourseistoacquaintthestudentswiththenatureofman-environmentrelationshipand human capability.
CO2	Toadopt andmodifytheenvironmentunderits variedconditions from primitivelifestyleto themodern living;
CO3	Toidentifyand understand environment and populationin terms oftheirqualityand spatialdistributionpattern.
CO4	Tocomprehendthecontemporaryissuesfacingtheglobal community.
Gg.122Populationand SettlementGeography P-II	
CO1	ToIntroducetheStudentswithSources ofPopulationData.
CO2	To IntroducetheStudentswithPopulation Dynamic.
CO3	ToIntroducetheStudentswithClassificationandtypesofSettlement.
Practicalsin Human GeographyP-III	
CO1	To IntroducetheStudentswithPopulation Indices
CO2	To IntroducetheStudentswithMethodsforcalculationUrban data
CO3	ToIntroducetheStudentswithCropCombinationAgriculturalandEfficiency
S.Y.B.Sc.SemesterI	
Gg211: GEOGRAPHYOFRESOURCES–I	
Oncompletionofthecoursestudentswill beable to	
CO1	Toacquaintthestudentstofundamentalconceptsof resources.
CO2	Toacquaintthestudentstopast,present andfutureutilityandpotentials of Resource satregional, nationalandgloballevels.
CO3	Tomakeawarethestudents about problems ofutilization and conservation in The viewofsustainabledevelopment.

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Gg212: WatershedManagement–I	
Oncompletionofthecoursestudentswill beable to	
CO1	ToacquaintthestudentswithconceptsinWatershedManagement.
CO2	Tofamiliarizethestudents withtheimportanceofWatershedManagement
S.Y.B.Sc.SemesterII	
Gg211: GEOGRAPHYOFRESOURCES–II	
Oncompletionofthecoursestudentswill beable to	
CO1	Toacquaintthestudentstofundamentalconceptsof resource
CO2	Toacquaintthestudentstopast,presentand futureutilityandpotentialsof resources at regional,national andgloballevels.
CO3	Tomakeawarethestudents about problems ofutilization and conservation in theviewof Sustainable development.
Gg212: WatershedManagement–II	
Oncompletionofthecoursestudentswill beable to	
CO1	ToacquaintthestudentswithconceptsinWatershedManagement.
CO2	Tofamiliarizethe studentswiththeimportanceof WatershedManagement.
Gg201:FundamentalsofGeographicalAnalysis(Practical)	
CO1	Toenablethestudentstouse variousprojectionstopreparemaps.
CO2	Toacquaint the studentswith theprinciplesof surveying, its importanceand Utilityin thegeographicalarea.
CO3	Tointroducetheimportanceand basicprinciplesofGPS.

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Course Outcomes

(2021-22)

F.Y.B.A.Hindi	
सामान्यहिंदीजी-1	
CO1	छात्रसाहहत्यहिधाओंसेअिगतहूए।
CO2	हहिंदीभाषाद्वारासंिादकौशलमेंहिकहसतहूए।
CO3	मौहलकलेखनऔरहि ज्ञापनलेखनकौशलमेंहिकहसतहूए।
CO4	अनूिादऔरहहिंदीकम्प्यूटरकीजानकारीसेंअिगतहूए।
S.Y.B.AHindi	
CC-1C(G-2) आधुहनककाव्य]कहानीतथाव्याहररकहहिंदी	
CO1	छात्रकाव्यसाहहत्यसेपररहचतहूए।
CO2	छात्रकहानीसाहहत्यसेपररहचतहूए।
CO3	छात्रकारकसाहहत्यसेपररहचतहूए।
CO4	छात्रशब्दयुग्मकाअथथसमझकरिाक्यमेंप्रयोगकरतेहै।
CO5	छात्रोिंकोसिंक्षेपणलेखनकाकायथकरनाआताहै।
CO6	छात्रोिंमेंसजथनात्मकताकाहिकासहूआहै।
CO7	छात्रव्यिंग्यपाठसेपररहचतहूए।
CO8	छात्रसाक्षात्कारकलासेपररहचतहूएऔरसाक्षात्कारलेनाजानतेहैं।
CO9	छात्रभाषाकामोबाईलतिंत्रकाउपयोगकरतेहैं।
CO10	छात्रपल्लिकलासेपररहचतहूए।
SEC-2A-अनूिादस्वरूपएिंव्यिहार	
CO1	छात्रअनूिादकौशलसेपररहचतहूए।
CO2	छात्रअनूिादकेस्वरूपकोसमझातेहै।
CO3	छात्रअनूिादक्षेत्रसेपररहचतहूए।
CO4	छात्रहहिंदीसेमत्राठीमेंप्रत्यक्षअनूिादकरतेहै।
CO5	छात्रमेंअिंग्रेजीसेहहिंदीकाकौशलअनूिादमेंमराठी,हिकासहूआ।
CO6	छात्रमाध्यमलेखनसेपररहचतहूए।
CO7	छात्रोिंमेंसृजनात्मकलेखनकौशलहिकहसतहूआ।
CO8	छात्रमाध्यमलेखनसेपररहचतहूए।
CO9	छात्रश्रव्य–द्रुकमाध्यमोिंकीभाषासेपररहचतहूए।
DSC–1A(S-1)काव्यशास्त्र)सामान्य(	
CO1	छात्रभारतीयकाव्यशास्त्रसेपररहचतहूए।
CO2	छात्रकाव्यपररभाषाशब्दशब्दश,तत,सेपररहचतहूए।

CO3	छात्ररसकेस्वरूपकोसमझतेहैI
CO4	छात्रोंमेंभारतीयकाव्यशास्त्रमेंकारकसाहहत्यसेपररहचतहएI
CO5	छात्रोंमेंभारतीयकाव्यशास्त्रमेंरूहचहनमाथणहोकरआलोचनात्मकदृहिपैदाहोतीहै
CO6	छात्रसाहहब्दत्यकभेदकोसमझतेहैI
CO7	छात्रपद्यभेदकोसमझतेहैI
CO8	छात्रमहाकाव्यहैसमझतेकोभेदकेव्यमुशककाऔरखाकाव्य,I
CO9	छात्रनाटककेभेदकोसमझतेहैI
CO10	छात्रनाट्यअहभनयमेंरूहचलेतेहैंI
DSC–2A(S-2)मध्ययुगीनकाव्यतथाउपन्यास	
CO1	छात्रकबीरकेसाहहत्यसेपररहचतहएI
CO2	छात्रमीराबाईकेसाहहत्यसेपररहचतहएI
CO3	छात्रभारतीयउपन्यासकीअिधारणासेपररहचतहुएI
CO4	छात्रोंमेंउपन्यासकृहतकेमूल्ांकनकीकलाहिकसीतहइेI
CO5	छात्रोंमेंसाहहत्यकृहतओंआत्महिृतकोमूल्ोंजोंनप्रुत,करनेकीक्षमताहनमाथणहइेI
CO6	छात्ररहीमकेसाहहत्यसेपररहचतहएI
CO7	छात्रहबहारीकेकाव्यअहभव्यिंजनासेपररहचतहएI
CO8	छात्रहहिंदीनाटकऔररिंगमिंचसेपररहचतहएI
CO9	छात्रोंमेंअहभनयगुणहिकहसतहएI
CO10	छात्रनाटयालोचनासेपररहचतहएI
MIL–हशक्षणभाषाहहिंदी)हहिंदी(	
CO1	छात्रोंमेंहहिंदीभाषाश्रिणकौशलहिकहसतहआI
CO2	छात्रोंमेंहहिंदीभाषासिंादकौशलहिकहसतहआI
CO3	छात्रोंमेंहहिंदीभाषाांचनकौशलहिकहसतहआI
CO4	छात्रोंमेंहहिंदीभाषालेखनकौशलहिकहसतहआI
CO5	छात्रहहिंदीभाषाहिहधतथाभाषाव्यिहारसेअिगतहएI
CO6	छात्रोंमेंहहिंदीभाषाकीलघुकथाकौशलहिकहसतहआI
CO7	छात्रोंमेंहहिंदीभाषाांक्यभेदसेकोजानतेहैंI
CO8	छात्रोंमेंहहिंदीकाव्यहआहिकहसतकौशलसृजनगीत-I
T.Y.B.AHindi	
विशेषवहिंदी-3(वहिंदीसावहत्यकाइविहास)	

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Course Outcomes

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CO1	छात्रोंको हिंदी साहित्य के काल विभाजन और नामकरण का परिचय प्राप्त हुआ।
CO2	आदिकाल का साहित्य, कवि और काव्य प्रवृत्तियों का परिचय प्राप्त हुआ।
CO3	भक्तिकाल की शाखा, साहित्य, कवि और काव्य प्रवृत्तियों का परिचय प्राप्त हुआ।
CO4	रीतिकाल के साहित्य, कवि और काव्य प्रवृत्तियों का परिचय प्राप्त हुआ।
CO5	आधुनिक काल के गद्य-पद्य साहित्य, साहित्यकार और काव्य प्रवृत्तियों का परिचय प्राप्त हुआ।
विशेष हिंदी-4) काव्यशास्त्र	
CO1	छात्रोंको साहित्य की परिभाषा, स्वरूप, हेतु और प्रयोजनों का ज्ञान कराना प्राप्त हुआ।
CO2	काव्य के तत्व, भेद और शब्द शक्ति का ज्ञान प्राप्त हुआ।
CO3	अलंकार और छंदों का परिचय प्राप्त हुआ।
CO4	गद्य और पद्यों के भेद तथा ततों की जानकारी प्राप्त हुई।
CO5	आलोचना की जानकारी प्राप्त हुई।
Skill Enhancement– साहित्य और विश्लेषण	
CO1	छात्र ब्रिप्ट लेखन, अर्थ पूर्ण भाषा से परिचय हुए।
CO2	छात्र कथा, पटकथा और सिनोप्सिस से परिचय हुए।
CO3	छात्र ड्राफ्ट बनाने से परिचय हुए।
CO4	छात्र हस्तलेखन के स्वरूप से परिचय हुए।
CO5	छात्र हिंदी साहित्य और हस्तलेखन के अन्तः संबंध से परिचय हुए।
CO6	छात्र हिंदी उपन्यासों पर आधारित फिल्मों से परिचय हुए।
M.A. Hindi M.A.-I (semester-I)	
प्राचीन और मध्ययुगीन काव्य	
CO1	छात्रोंको प्राचीन तथा मध्ययुगीन काव्य हुआ प्राप्त पर्यवेक्षक कृतियों-I
CO2	छात्रोंको आदिकाल और भक्तिकाल के साहित्य की प्रवृत्तियों की जानकारी प्राप्त हुई।
CO3	छात्रोंमें काव्य के प्रति समीक्षात्मक दृष्टि विकसित हुई।
CO4	छात्र प्राचीन तथा मध्ययुगीन भाषा से अवगत हुए।
CO5	हुए पर्यवेक्षक से परम्परा काव्य की मध्ययुगीन तथा प्राचीन छात्र.I
M.A. Hindi M.A.-I (semester-I)	
HP30- भारतीय साहित्यशास्त्र	
CO1	.छात्रोंको भारतीय साहित्यशास्त्र का परिचय प्राप्त हुआ।
CO2	साहित्यशास्त्र और साहित्य को छात्रों.के सम्बंधों का ज्ञान प्राप्त हुआ।
CO3	छात्रोंमें मौलिक चिंतन की क्षमता विकसित हुई।

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CO4	छात्रोंिकोसाहहत्याशास्रोकेहसधान्तोंिकाज्ञानप्राप्तहुआहुइप्राप्तदृहिकसमीक्षात्ममेंछात्रोंि.
M.A.HindiM.A.-I(semester-I)	
HP34हिशेषसाहहत्यकारकबीर	
CO1	हुआप्राप्तपररचयकाकृहततऔरव्यब्दशतकेकबीरकोछात्रोंि
CO2	कबीरकीकाव्यगतशब्दशऔरसीमाओंसेपररहचतहुए।
CO3	छात्रकबीरकेकाव्यकीप्रासिहगकतासेंअेगतहुए।
CO4	छात्रोंिमेंकबीरकेसमीक्षणकीयथोहचतदृहिकाहिकासहुआ।
M.A. HindiM.A.-I(semester-II)	
HPहहिंदीमध्ययुगीन30काव्य	
CO1	सूरदासकेव्यब्दशतऔरकृहततकापररचयप्राप्तहुआ। सेंगहतहिहधयोंिसाहहतककेमध्ययुगछात्रहुएअिगत
CO2	भूषणछात्रहुईहिकहसतदृहिकीसमीक्षाकेयोंिकृहतमेंछात्रोंि
CO3	औरहबहारीकीकाव्यकृहतयोंिसेपररहचतहुए।
CO4	छात्रगद्यकीप्रमुखहिधाओंकेताब्दतकस्वरूपसेपररहचतहुए।
CO5	छात्रोंिकोआधुहनककाव्यप्रकारोंिकापररचयप्राप्तहुआ। ककाव्यमेंछात्रोंि.2आस्वादनअध्ययनऔरमुल्ांिकणकीयथोहचतदृहिहिक हसतहई
M.A.HindiM.A.-I(semester-II)	
HP36आधुहनकहहिंदीनाटकऔरहनबिंध	
CO1	छात्रगद्यकीप्रमुखहिधाओंकेताब्दतकस्वरूपसेपररहचतहुए।
CO2	छात्रोंिकोगद्यहिधाओंकेहिकासक्रमकीजानकारीप्राप्तहुई।
CO3	मेछात्रोंिऐहतहाहसकहिकासकेपररप्रेक्षमेंरचनाहिशेषकेमहतकोसमझकरमूल्ांिकनकीक्षमताहिकहसतहई।
CO4	छात्रगद्यकीनाटकऔरहनबिंधहिधासेपररहचतहुए।
M.A.HindiM.A.-I(semester-II)	
HPपाहात्यसाहहत्य32शास्त्र	
CO1	छात्रोंिकोपाश्च्यात्यसाहहत्यशास्त्रकापररचयप्राप्तहुआ।
CO2	छात्रोंिकोपाश्च्यात्यसाहहत्यशास्त्रकेहिकासक्रमकाज्ञानप्राप्तहुआ।
CO3	छात्रोंिकोपाश्च्यात्यसाहहत्यशास्त्रकीसमीक्षामहत्त्वज्ञातहुआ।
CO4	छात्रोंिकोमेंसमीक्षात्मकदृहिकोणहिकहसतहुआ।
CO5	छात्रोंिकोआलोचनाकीहिहभन्नप्रणाहलयोंिकाज्ञानप्राप्तहुआ।
M.A.HindiM.A.-I(semester-II)	
HPहहिंदी33उपन्यास	

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CO1	.छात्रोंिकोउपन्यासहिंधाकाताब्दतकपररचयप्राप्तहूआl
CO2	छात्रोंिकोहहिंदीउपन्यासोंिमेंअहभव्यशमानिजीिनकापररचयप्राप्तहूआl
CO3	छात्रहहिंदीउपन्यासकीहिहभन्नाप्रहियोंिसेंअेगतहूएl
CO4	छात्रोंिमेंहहिंदीउपन्यासोंिमेंअहभव्यशजीिनहिषयकमूल्ांिकनकीक्षमताहिकहसतहूइेl
CO5	छात्रोंिमेउपन्यासकीआस्वादनअध्ययनऔरमूल्ांिकनकीक्षमताहिकहसतहूइेl
CO6	छात्रोंिमेंसाहहत्यऔरयुगजीिनकासिंबिंधहिषदकरनेकीक्षमताहनमाथणहूइेl
CO7	छात्रोंिकोआधुहनकयुगकीसामाहजकसाहह,धाहमथक,राजहनहतक,ब्दत्यकपररब्दथथहतयोकाज्ञानप्राप्तहुआl
M.A.HindiM.A.-I(semester-II)	
HP21अनुिादविज्ञान	
Oncompletionofthecoursestudentswill beable to	
CO1	छात्रोंिकोअनुिादकास्वरूपमहत्त्व,पररभाषा,एिंिव्याब्दप्तकीजानकारीप्राप्तहूइेl
CO2	छात्रोंिकोअनुिादकीप्रहक्रयाकापररचयप्राप्तहूआl
CO3	छात्रोंिकोअनुिादकीसमस्याएँतथाउनकेसमाधानकेसिंबिंधमेंजानकारीप्राप्तहूइेl
CO4	छात्रअनुिादकेसामाहजकऔरसिंस्कृहतकपक्षसेंअेगतहूएl
CO5	छात्रोंिमेंअनुिादअनुिादकीक्षमताहनमाथणहूइेl
M.A. Hindi M.A.II(semester-III)	
आधुहनककाव्यकाव्यअन्यतथाछायाि्ादी,आदशथिादी(	
Oncompletionofthecoursestudentswill beable to	
CO1	छात्रोंिकोआधुहनककाव्यसेंअेगतहूएl
CO2	छात्रोंिकोआधुहनककाव्यहूइहिकहसतदृहिकीअध्ययन-l
CO3	छात्रोंिमेंकाव्यमूल्ांिकनकीदृहिहिकहसतहूइेl
CO4	छात्रोंिमेंकाव्यमूल्ांिकनकीदृहिहिकहसतहूइेl
CO5	छात्रोंिमेंकाव्य-सजथनकलाकाहिकासहूआl
M.A. Hindi M.A.II(semester-III)	
भाषाहिज्ञान-	
Oncompletionofthecoursestudentswill beable to	
CO1	छात्रोंिकोभाषाहिज्ञानकेस्वरूपकापररचयहूआl
CO2	छात्रोंिकोभाषाहिज्ञानकेव्याब्दप्तकीजानकारीहूइेl
CO3	छात्रोंिकोभाषाहिज्ञानकेअध्ययनकीहदशाओंकापररचयहूआl
CO4	छात्रभाषाहिज्ञानकेअनुप्रयोगात्मकपक्षकोसमझतेहैंl
CO5	छात्रसाहहत्यमेंअध्ययन-भाषाहिज्ञानकीउपयोहगताकोसमझतेहैंl
M.A. Hindi M.A.II(semester-III)	
हहिंदीसाहहत्यकाइहतहासरीहतकालभब्दशकालआहदकाल(	

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CO1	छात्रसाहहत्येहतहासलेखनकेपररचयकोजानतेहैं।
CO2	छात्रसाहहत्येहतहासकेकलहिभाजनतथानामकरणकोजानतेहैं।
CO3	आहदकाल,भब्दशकाल,रीहतकालप्रमुखप्रिृहियोंरचनाओंऔररचनाकारोंं,कापररचय सेअिगतहए।
M.A. Hindi M.A.II(semester-III)	
कआलोचनाहहिंदी)	
Oncompletionofthecoursestudentswill beable to	
CO1	छात्रआलोचनाकेस्वरूपएिंहिहिधप्रकारोंसेअिगतहए।
CO2	छात्रहहिंदीकेप्रमुखआलोचकोंकेआलोचनात्मकप्रहतमानोंसेपररहचतहए।
CO3	छात्रमेंसाहहत्यालोचनाएिंव्याहाररकसमीक्षाकीदृहिहिकहसतहइ।
M.A. Hindi M.A.II(semester-IV)	
HP.10आधुहनककाव्य	
Oncompletionofthecoursestudentswill beable to	
CO1	छात्रोंकोआधुहनकहहिंदीकाव्यकीप्रिृहियोंकापररचयप्राप्तहआ।
CO2	छात्रोंकोप्रबिंधकाव्यऔरमुशककाव्यकेताब्दत्वकस्वरूपकाज्ञानप्राप्तहआ।
CO3	छात्रोंकोआधुहनककाव्यप्रकारोंकापररचयप्राप्तहआ।
CO4	छात्रोंमेंआधुहनककाव्यकेआस्वादनअध्ययनऔरमूल्ांकनकीक्षमताहिकहसतहइ।
CO5	छात्रोंमेंकाव्यकेप्रहतरूहचिब्दधिगतहइ।
M.A. Hindi M.A.II(semester-IV)	
HP14.हहिंदीभाषाकाऐहतहाहसकहिकास	
Oncompletionofthecoursestudentswill beable to	
CO1	छात्रोंकोहहिंदीभाषाकाउर्धभिहिकासऐहतहाहसक,पृिभूहमकापररचयप्राप्तहआ।
CO2	छात्रआधुहनकआयभाषाओंकेंगीकरणसेअिगतहए।
CO3	छात्रोंकोहहिंदीकेव्याकरहणकस्वरूपऔरहिकासकीजानकारीप्राप्तहइ।
CO4	छात्रोंकोहहिंदीकेप्रचारएिंप्रसारआंदोलनोंकीजानकारीप्राप्तहइ।
M.A. Hindi M.A.II(semester-IV)	
HP10.हहिंदीसाहहत्यकाइहतहास	
Oncompletionofthecoursestudentswill beable to	
CO1	छात्रोंकोहहिंदीगद्यकेअहिथभाकेकारणोंएिंपररब्दथथहतयोंकापररचयप्राप्तहआ।
CO2	छात्रोंकोहहिंदीगद्यकेहिकासक्रमकापररचयप्राप्तहआ।
CO3	छात्रआधुहनककलकेसाहहत्यकीउपलब्दियांतथासीमाओंसेअिगतहए।
CO4	छात्रआधुहनककलकेसाहहत्यकीउपलब्दियांतथासीमाओंसेअिगतहए।
CO5	छात्रोंकोआधुहनकगद्यकारोंएिंकहियोंकापररचयप्राप्तहआ।

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M.A. Hindi M.A.II(semester-IV)	
HP11.लोकसाहहत्य	
Oncompletion ofthe coursestudents willbe able to	
CO1	छात्रोंिंकोलोकसाहहत्यकेस्वरूपमहत्व,सेपररहचतहूए।
CO2	छात्रोंिंकोलोकसाहहत्यकीहिहभन्नहिधाओंकाज्ञानप्राप्तहूआ।
CO3	छात्रोंिंकोलोकसाहहत्यकीव्यापकताऔरउपयोहगतासेंअेगतहूए।
CO4	छात्रमहाराि्रकेलोकसाहहत्यकेसेपररहचतहूए।
FYBAMarathi	
मराठीसाहहत्यकथाआहणभाहषककौशल्हिकाससत्रदूसरे- मराठीसाहहत्यएकाि्हककाआहणभाहषककौशल्हिकास	
CO1	साहहत्यासेंबेधीरुचीहनमाथणहोते.
CO2	मराठीभाषाेंासेंस्कृतीहिषयीज्ञानप्राप्तहोते.
CO3	कथाेंकाहितायासाहहत्यप्रकारचाआस्वादघेण्याचीक्षमताहनमाथणहोते.
FYBCOM	
भाषासाहहत्यआहणकौशल्हिकास	
CO1	भाषाव्यिहाराचेस्वरूपसमजते
CO2	कायाथलयीनमराठीभाषाेंापरण्याचीतेत्रहिकहसतहोते.
SYBAGEN.	
भाहषककौशल्ाहिकासिआधूहनकमराठीसाहहत्यप्रकार	
CO1	भाहषककौशल्हिकहसतहोतात.
CO2	चररत्रेआत्मचररत्रयासाहहत्यप्रकारचेज्ञानप्राप्तहोते.
CO3	आस्वादेमूल्मापनकरण्याचीक्षमताेंाढते
SYBAS1	
आधूहनकमराठीसाहहत्य:प्रकाशिटा	
CO1	ाेंागेगळ्याकालखेडातीलपरिपराेंासेंस्काराचापररचयहोतो.
CO2	नाटकेकादेबरीयासाहहत्यप्रकारचेआस्वादेआकलनहोण्याचीक्षमताहनमाथणहोते.
SYBAS2	
साहहत्यहिचार	
CO1	हिहंाशेकालखेडातीलसाहहत्यायाप्रेरणासमजतात
CO2	ऐहतहाहसकपरिपराेंाचेज्ञानहोते.
SYBSC	
मराठीसाहहत्यआहणउपयोहजतमराठी	
CO1	हिज्ञानसाहहत्यहिषयीओडहनमाथणहोते.
CO2	भाहषककोशल्हिकहसतहोतात.
TYBAG3	
आधूहनकमराठीसाहहत्यआहणव्याि्हाररकमराठी	

CO1	हिंदीधसाहहत्यप्रकाराचापररचयहोतो.
CO2	ग्रेथपररक्षणाचीओडहनमाथणहोते.
TYBAS3	
साहहत्यहेचार	
CO1	साहहत्याचोहेहिंदीधस्वरूपसमजते.
CO2	साहहत्याचीं ाड्मयीनमूल्ेसमजतात.
TYBAS4	
ाणथनात्मकभाषाहि ज्ञान	
CO1	भाषेहिषयीसखोलज्ञानहमळते.
CO2	भाषेतील"स्वहनम"ासिकल्पनासमजते.
MAI	
भाषाव्यिहारआहणभाहषककौशल्	
CO1	साहहत्यासिंबिधीरुचीहनमाथणहोते.
CO2	मराठीभाषा ासिंस्कृतीहिषयीज्ञानप्राप्तहोते.
CO3	कथा ाकहितायासाहहत्यप्रकारचाआस्वादघेण्याचीक्षमताहनमाथणहोते.
मराठीसाहहत्याचाइहतहास)इ.स.१८१८तेइ.स२०००(	
CO1	भाषाव्यिहाराचेस्वरूपसमजते.
CO2	चररात्रेआत्मचररत्रयासाहहत्यप्रकारचेज्ञानप्राप्तहोते.
ऐहतहाहसकभाषाहि ज्ञान	
CO1	भाहषककौशल्हिकहसतहोतात.
CO2	आस्वादेमूल्मापनकरण्याचीक्षमता ाढते.
ग्रामीणेदहलतसाहहत्य	
CO1	ाेगेगळ्याकालखेडातीलपरिपरा ासिंस्काराचापररचयहोतो.
CO2	नाटकेकादंबरीयासाहहत्यप्रकारचेआस्वादेआकलनहोण्याचीक्षमताहनमाथणहोते.
MAII	
प्रसारमाध्यमी ासाहहत्यव्या ाहार	
CO1	ग्रेथपररक्षणाचीओडहनमाथणहोते
CO2	साहहत्याचीं ाड्मयीनमूल्ेसमजतात
साहहत्य:समीक्षा ासिंशोधन	
CO1	साहहत्यहिषयीओडहनमाथणहोते.
CO2	भाहषककौशल्हिकहसतहोतात.
हिशेषलेखकाचाअभ्यास	
CO1	हिंदीधसाहहत्यप्रकाराचापररचयहोतो.
CO2	ग्रेथपररक्षणाचीओडहनमाथणहोते.
लोकसाहहत्याचीमूलततें ामराठीलोकसाहहत्य	
CO1	साहहत्याचेहिंदीधस्वरूपसमजते.

CO2	साहहत्याचीीेाड्मयीनमूल्ेसमजतात.
F.YBASemester–I	
EarlyIndia: FromPrehistorytotheAgeof the Mauryas	
Oncompletionofthecoursestudentswill beable to	
CO1	The history of Early India is a crucial part of Indian history. It is a base for understanding the entire Indianhistory.Thecourseisaimedathelpingthe studenttounderstandthehistoryofearlyIndiafrom the prehistoric times to the age of the Maury"s.
CO2	It attempts to highlight the factors and forces behind the rise, growth and spread of civilization and culture of India along withthe dynastic history. It also attempts to help the students to understand the contributionofEarlyIndianstopolity,art,literature,philosophy,religionandsciencean dtechnology.
CO3	It alsoaimstofosterthespirit ofenquiryamongthestudentsbystudyingthemajordevelopmentsin early Indian history.
F.YBASemester-II	
EarlyIndia:PostMauryanAgetothe Rashtrakutas	
Oncompletionofthecoursestudentswill beable to	
CO1	ThehistoryofIndiaaftertheMauryasisveryimportanttounderstandthedevelopmentsi nearlyIndia after the Mauryas, which finally led to the transition to medieval India.
CO2	.The course is aimed at introducing the students to the developments in different parts of India throughabriefstudyofregionalkingdomsuptothetenthcenturyC.E.Itattemptstohighli ghttheconsequences of the foreign invasions, particularly on the polity, economy, society and art and architecture. The attempt is also to instill the spirit of enquiry among the students.
S.YBA-III	
G-II ModernIndia(1857-1950)	
Oncompletionofthecoursestudentswill beable to	
CO1	The course is designed to help the student to know- History of freedom movement of India, aims,objectivesproblemsandprogressof IndependentIndia.Itaimsatenablingthestudent to understand the processes of rise of modern India.
CO2	TheCourseattemptstoacquaintstudent withfundamentalaspectsofModern Indian

	History.
CO3	ToexplainthebasicconceptsconcernsframeworkofIndianHistory.
CO4	Appreciatetheskills ofleadershipand theadministrativesystem oftheMarathas
CC-2(3)HistoryoftheMarathas:(1707-1818)	
Oncompletionofthecoursestudentswill beable to	
CO1	Studentswill beable to analyzethe Marathaspolicyof expansionismand its consequences
CO2	Theywill understand theroleplayed bythe Marathas in the18th century India..
CO3	Theywill beacquaintedwiththeart ofdiplomacyin theDeccan region.
CO4	Itwill helpto enrichtheknowledgeof the administrativeskills andprofundityof diplomacy
S.YBA-III	
S-I DSE-1A(3)1.MedievalIndia-SultanatePeriod	
CO1	Providesexamplesofsourcesusedtostudyvariousperiodsin history
CO2	Relateskeyhistoricaldevelopmentsduringmedievalperiodoccurringinoneplacewith another.
CO3	Analysessocio-politicalandeconomicchangesduringmedieval period
CO4	Estimatetheforeigninvasionandtheachievementofrulers
S.YBASem-IV	
S-I DSE-1B(3)4.MedievalIndia:MughalPeriod	
CO1	Drawscomparisonsbetweenpoliciesofdifferentrulers.
CO2	UnderstandingRole ofAkbar in theconsolidationofMughalruleinIndia.
CO3	UnderstandAurangzeb"sconflictwithRajputas,MarathaandweakeningMughalsage.
CO4	Analysesfactorswhichledtotheemergenceofnewreligiousideasandmovements(bhakti and Sufi)
S.YBA-III	
S-IIDSE-2A(3)2.GlimpsesoftheModernWorld-PartI	
CO1	Itwillenablestudentstodeveloptheoverallunderstandingofthe ModernWorld.
CO2	Thestudentswillgetacquaintedwiththe Renaissance,majorpolitical,socio-religiousand economic developments during the Modern World.
CO3	Itwill enhancetheir perception ofthe historyof theModern World.

CO4	Itwillenablestudentstounderstandthesignificanceoftheintellectual,economic,political developments in the Modern World.
S.YBASem-IV	
S-IIDSE-2B(3)5.Glimpsesof theModernWorld-Part II	
CO1	Itwill enablestudents todeveloptheoverallunderstandingof theModernWorld.
CO2	Thestudentswillgetacquaintedwiththemajornationalistmovements,theWorldWarII and its consequences, the Cold War and its Consequences.
CO3	Itwill enhancetheir overallperception ofthehistoryoftheModern World.
CO4	Itwillenablestudentstounderstandthesignificanceofthestrategicpoliticaldevelopments in the Modern World.
S.YBA-III	
Art&Architecturein EarlyIndia	
CO1	Studentswillgetanoverallunderstandingoftheemergenceanddevelopmentoftheartandarchitecture in Early India.
CO2	TheywillunderstandtheemergenceofthePottery,Terracottafigures,Ornaments,TownPlanning, preparation of seals and coins.
CO3	TheywillhaveanunderstandingoftheartandarchitectureinearlyIndia
S.YBA-III	
6.MedievalIndian,Art&Architecture	
CO1	StudentswillgetanoverallunderstandingofthedevelopmentoftheMedievalArtand Architecture.
CO2	TheywillunderstandthechangingpatternsoftheArtandArchitectureduringtheMedievalIndia.
CO3	TheywillhaveanunderstandingoftheimpactofPersianArtonIslamicArtandArchitecturein Medieval India.
T.YBASem-V	
G-III CC-3(3)Indian NationalMovement(1885-1947)	
Oncompletionofthecoursestudentswill beable to	
CO1	Itwillenablestudents todevelopanoverall understandingofModernIndia.
CO2	ItwillincreasethespiritofhealthyNationalism,Democratic Values and SecularismamongtheStudents
CO3	StudentswillunderstandvariousaspectsoftheIndianIndependence
CO4	Movementand thecreationofModernIndia.

T.YBASem-VI	
G-IIICC-4(3)IndiaAfterIndependence-(1947-1991)	
CO1	ItwillenablestudentstodevelopanoverallunderstandingoftheContemporaryIndia.
CO2	ToincreasethespiritofhealthyNationalism,DemocraticValuesandSecularismamong the students.
CO3	Studentswillunderstandvariousaspectsof India"sdomesticandforeignpoliciesthatshapedPost- Independence India.
T.YBASem-V	
S-IIIDSE-3 C(3).Introductionto Historiography	
CO1	Studentswillbeintroduced totheinformation and importanceof Historiography.
CO2	Studentswill be introducedto thedifferentMethods and Toolsof data collection.
CO3	Studentscan studythe interdisciplinaryapproachof History.
CO4	Students will learn about the usefulness of History in the 21st century, its changing perspectives,thenewideasthathavebeeninvented, andtheimportanceofHistoryina competitive World.
T.YBASem-VI	
S-IIIDSE-3C(3)10Applied History	
CO1	Studentswillbeintroducedtotheinformationand importanceof applied history
CO2	StudentwilllearnabouttheHistoricalsignificanceofArchaeologyandArchivesand opportunities in the field of Archaeology and Archives.
CO3	Throughthiscourse,studentswillbeinformedabouttheopportunitiesinthefieldofMedia, Museums
CO4	the about learn will Students usefulness of history in the 21st Century, its changing Perspectives,thenewideasthathavebeeninvented,andtheimportanceofHistoryina Competitive World.
T.YBASem-V	
S-IVDSE-4D(3)8.Maharashtrain the19thCentury	
CO1	Studentwill develop theabilityto analysesourcesfor19th centuryMaharashtraHistory.
CO2	StudentwilllearnsignificanceofRegionalHistoryandSocio-religiousreformismfoundation of the region.

CO3	Itwillenhancetheirperception of19th CenturyMaharashtra.
CO4	Appreciatetheskillsof leadershipandtheSocio-religious SystemoftheMaharashtra
T.YBASem-VI	
S-IVDSE-4D(3)11Maharashtrain the20thCentury	
CO1	Studentwill develop theabilityto analyses sources for20th CenturyMaharashtra History
CO2	StudentwilllearnsignificanceofregionalhistoryandSocio-ReligiousReformismfoundation of the region
CO3	ItwillenhancetheirPerceptionof20thCenturyMaharashtra
CO4	Appreciatetheskillsofleadershipand theSocio-ReligiousSystemoftheMaharashtra
T.YBASem-V	
SkillEnhancementCourse(SEC)-10.ResearchPaperWriting	
CO1	Studentswillbeintroduced totheinformation and importanceof Historiography.
CO2	Studentscan studythe interdisciplinaryapproachHistory
CO3	ThiscurriculumWillhelptodevelopResrechabilityandprocess ofresearchpaperWriting
T.YBASem-VI	
SkillEnhancementCourse(SEC)-13.Archaeology	
CO1	Studentswilllearntounderstandthedefinition,aims and scopeofArchaeologysoasto understand its applications in interpreting the human past.
CO2	Theywillbeableto understandthe natureofthearchaeologicalrecord andthe uniquerole of
	scienceinarchaeology
CO3	Theywill havean overallunderstandingof the Archaeology
M.A SEMESTERI	
CourseTitle:HS: CC –1:History: Theoryand Method	
Oncompletionofthecoursestudentswill beable to	
CO1	The paper is designed to provide adequate conceptual base, bring better understanding of historyanditsforces,helpinterrogateexistingparadigmsandchallengetheoutdated,helpin developing critique, help research in terms of methodology, formulating hypotheses and develop broad frames of interaction with other social sciences and attain certain level of interdisciplinary approach

MulaEducationSociety's

Shri Dnyaneshwar Mahavidyalaya Newasa

Course Outcomes

(2021-22)

M.A SEMESTERI	
CourseTitle:HS:CC – 2:Evolutionof Ideas and InstitutionsinEarlyIndia	
Oncompletionofthecoursestudentswill beable to	
CO1	Thecourseintends toprovide an understandingofthesocial,economicandinstitutional bases of early India.
CO2	Itis basedon the premise that anunderstandingofearlyIndian historyiscrucial to understand Indianhistoryasa whole.
M.A SEMESTERI	
CourseTitle: HS: CC 3:Maratha Polity	
Oncompletionofthecoursestudentswill beable to	
CO1	Thepurpose ofthecourseisto studytheadministrativesystemof the Marathasin ananalytical way,toacquaint thestudentwith thenatureofMaratha Polity,
CO2	.tounderstandbasiccomponentsoftheMarathaadministrativestructure,toenablethe student Tounderstand thebasic conceptsoftheMaratha polity.
M.A SEMESTERII	
CourseTitle:HS:CC –4:Approachesto History	
Oncompletionofthecoursestudentswill beable to	
CO1	Thecourse aimsat introducingthestudent tothewaysin which historyhas been understood And thedifferentapproaches thathavecomeaboutasa resultofsuch understanding.
M.A SEMESTERII	
CourseTitle:HS:CC–5:IdeasandInstitutionsinMedievalIndia	
Oncompletionofthecoursestudentswill beable to	
CO1	ThecourseexaminesthenatureofmedievalIndiansociety, economy, stateformations, andthe mainreligiouscurrentsofthetime. Itisseen asa continuationofthe courseonancientIndia.It isalso seen tobe crucialto an understandingofthenatureofsociety, and theproblems of the
	challengetothatsociety,throughcolonialism,atalaterstage.
M.A SEMESTERII	
CourseTitle:HS:CC–6:Socio-EconomicHistoryofthe Marathas	
Oncompletion ofthe coursestudents willbe able to	
CO1	The purpose of the course is to studysocio-economic historyof the Marathas in an analytical way, to acquaint the student with the components of social structure and their functions, to understandtherelationshipbetweenreligion,caste,customs,traditions,classin17than

	d 18th Century MarathaSociety,toenablethestudenttounderstandaspectsofeconomiclife,totrace the determinants of changes in social and economic life.
M.A SEMESTERII	
CourseTitle: HS:EC–11:Marathasin17thand18thCenturyPower Politics	
Oncompletionofthecoursestudentswillbeableto	
CO1	Thecourseintendstostudytheroleplayed bytheMarathasinthecontextofIndia,thechanging nature ofMarathaState,tounderstandandanalysetheMarathaexpansionismanditssignificance invarious spheres.
M.A SEMESTERIII	
CourseTitle: HS:CC–7. CulturalHistoryof Maharashtra	
CO1	This paper is designed to help the student situate and interpret the cultural manifestations across historicalmemorywhichhavecontributedtothecreationofthegeopoliticalregionofMaharashtra.
M.A SEMESTERIII	
CourseTitle:HS: CC – 8.Intellectual Historyof theModern World	
CO1	Thepaperisseenasaprerequisiteforunderstandingtheconceptsthatareusedinhistory,to acquaint the student with the intellectual activity that played an important role in shaping events;thetransitionfrommedievaltomoderntimes.
M.A SEMESTERIII	
CourseTitle: HS: CC– 9. EconomicHistoryof ModernIndia	
CO1	Toacquaintthestudentwithstructuralandconceptualchanges inIndianeconomyaftercomingofthe British, to make themaware of the exploitative natureof the British rule, to help themunderstand the ProcessofinternalizationbyIndiansofneweconomicideas,principlesandpractices.
M.A SEMESTERIII	
CourseTitle:HS:EC – 18.EastAsia:Japan (1853-2000)	
CO1	The course is designed to help the students to know Japanese history especially after the openingupofJapan;Japan‟smodernizationanditsimpact;postWorldWarIIdevelopments andJapan‟sroleinworldpolitics.
M.A SEMESTERIV	
CourseTitle:HS: EC –28. Historyof Modern India (1857-1971)	
CO1	Thepurposeofthiscourseistoenablethestudenttostudythehistoryof,,ModernIndia‟‟from

	ananalyticalperspective;tomakethestudent awareof themulti-dimensionalityof Modern
	India;tohighlighttheideas,institutions,forcesandmovementsthatcontributedtothesh apingOfIndianmodernity;toacquaintthestudentwithvariousinterpretativeperspectiv es;tohelp them in articulating their own ideas and views leading to research orientation.

Department of PoliticalScience

F.Y.B.A.(G-1)Semester-I	
INTRODUCTIONTOINDIANCONSTITUTIONTotalCredits:03	
CO1	.ToacquaintstudentswiththeimportantfeaturesoftheConstitutionofIndiaandwithThe basic framework of Indian government
CO2	TofamiliarizestudentswiththeworkingoftheConstitutionofIndia.
F.Y.B.A.(G-1)Semester-II	
INTRODUCTIONTOINDIANCONSTITUTION	
CO1	ToacquaintstudentswiththeimportantfeaturesoftheConstitutionofIndiaandwithThe basic framework of Indian government
CO2	TofamiliarizestudentswiththeworkingoftheConstitutionofIndia.
FYBA(2Extra Credit)	
DemocracyElectionand Governance	
CO1	Tointroducethestudentmeaningofdemocracyandtheroleofthegovernance.
CO2	2tohelpthemunderstandthevariousapproachestothestudyofdemocracyandgovernan ce
S.Y.B.A.(G-2)SEMESTERIIIPERIODCC-IC(3)	
INTRODUCTIONTOPOLITICALIDEOLOGIES	
Thiscourseisdesignedtoacquaintstudentswiththe	
CO1	Roleofdifferentpoliticalideologiesandtheirimpactin politics
CO2	Closelinkbetweenanideaanditsactualrealizationinpublic policy
CO3	Legacyofallthemajorideologies
S.Y.B.A. (G-2)SEMESTERIVCC-1D(3)	
INTRODUCTIONTOPOLITICALIDEOLOGIES	
Thiscourseisdesignedtoacquaintstudentswiththe–	
CO1	Roleofdifferentpoliticalideologiesandtheirimpactinpolitics
CO2	.Closelinkbetweenanideaanditsactualrealizationinpublicpolicy

CO3	Legacyofallthemajorideologies
S.Y.B.A.(S-1)PERIODDSE-1A(3)	
WESTERNPOLITICALTHOUGHTotalCredits: 03	
Thiscourseisdesignedtoacquaintstudentswiththe–	
CO1	Majortraditionsofthoughtthathaveshapedpoliticaldiscourseindifferentpartsofthew orld.
CO2	Thegreatdiversityofsocialcontextsandphilosophical visions.
CO3	Thehistoryofpoliticalthoughtasaseriesofcritical,interconnectedandopen-endedconversations about the ends and means of the good life.
S.Y.B.A. SEMESTERIVDSE-1B(3)	
WESTERNPOLITICALTHOUGH	
Thiscourseisdesignedtoacquaintstudentswiththe	
CO1	Majortraditionsofthoughtthathaveshapedpoliticaldiscourseindifferentpartsofthew orld.
CO2	Thegreatdiversityofsocialcontextsandphilosophical visions
CO3	Thehistoryofpoliticalthoughtasaseriesofcritical,interconnectedandopen-endedconversations about the ends and means of the good life
S.Y.B.ASEMESTERIIIPERIODDSE-2A(3)	
POLITICALJOURNALISM	
Thiscourseisdesignedtoacquaintstudentswiththe–	
CO1	Complexrelationshipbetweenthecommunication,mediaandpowerpolitics
CO2	Criticalappraisalofpracticesofpoliticalimagemanagement, campaigns, propagandaandcensorship.
CO3	IndiancontextofpoliticalJournalism
S.Y.B.A.SEMESTERIVDSE-2B(3)	
POLITICALJOURNALISM	
Thiscourseisdesignedtoacquaintstudentswiththe–	
CO1	Complexrelationshipbetweenthecommunication, mediaandpowerpolitics.
CO2	Criticalappraisalofpracticesofpoliticalimagemanagement, campaigns, propagandaandcensorship.
CO3	IndiancontextofpoliticalJournalism
S.Y.B.A.(ExtraCredit)	
BASICSOFINDIANCONSTITUTION	
CO1	ToacquaintstudentswiththeimportantfeaturesoftheConstitutionofIndiaandwiththe basicframeworkofIndian government.
CO2	TofamiliarizestudentswiththeworkingoftheconstitutionofIndia.
T.Y.B. A. CC-1E(3) (G-3)	
POLITICALIDEALOGIES	

CO1	This course will introduce the overall scope of the sub-discipline of Modern Political Analysis. The focusofthecoursewillbeontheModernPoliticalAnalysisofpower.Theemphasisisontthenatureof power in modern societies- more in the form of organizations and social formations than as individual power. Students are also expected to understand different forms of justifications of power and the role Ofideologyinthisregard.Statewillbestudiedasarepositoryofpowerinsocietywhileclassand patriarchies are two instance of how the nature of power is shaped by social factors. SEM
T.Y.B. A. CC-2E(3) (G-3)	
POLITICALIDEALOGIES	
CO1	This course will introduce the overall scope of the sub-discipline of Modern Political Analysis.ThefocusofthecoursewillbeontheModernPoliticalAnalysisofpower.Theemphasisisonthenatureof power in modern societies- more in the form of organizations and social formations than as individual power. Students are also expected to understand different forms of justifications of power and the role of ideology in this regard. State will be studied as a repository of power in society while class andpatriarchyaretwoinstanceofhowthenatureofpowerisshapedbysocialfactors.SEM
T.Y.B.A.DSE 1C (3)+1 (S-3)	
PUBLICADMINISTRAION	
CO1	This paper is an introductory course in Public Administration. The essence of Public Administration lies in its effectiveness in translating the governing philosophy into programmes, policies and activities and making it a part ofcommunityliving.Thepapercoverspersonnelpublicadministrationinitshistoricalcontextthereby proceeding to highlight several of its categories, which have developed administrative salience and capabilities to deal withthe process of change. The recent developments and particularly the emergence of New Public Administrationsare incorporated within the larger paradigm of democratic legitimacy. The importance of legislative and judicial controloveradministrationisalsohighlighted
T.Y.B.A.DSE 2C (3)+1 (S-4)	
INTERNATIONALPOLITICS	

CO1	This paper deals with concepts and dimensions of International Relations and makes an analysis of different theories highlighting the major debates and differences within the different theoretical paradigms. The dominant theoriesof power and the question of equityandjustice,the different aspects of balance of power leading to the present situation of a unipolar world are included. It"s highlights various aspects of conflict and conflicts resolution, collective security and in the specificity of the long periodofthepostsecondworldwarphaseofthecoldwar, ofDetentandDeterrenceleadingtotheoriesofroughparityinarmaments.
T.Y.B.A.DSE 2D (3)+1 (S-4)	
INTERNATIONALPOLITICS	
CO1	This paper deals with concepts and dimensions of International Relations and makes an analysis of different theories highlighting the major debates and differences within the different theoretical paradigms. The dominant theoriesof power and the question of equityandjustice, the different aspects of balance of power leading to the present situation of a unipolar world are included. It"s highlights various aspects of conflict and conflicts resolution, collective security and in the specificity of the long Periodofthepostsecondworldwarphaseofthecoldwar, ofDetentandDeterrenceleadingtotheories of rough parity in armaments.
T.Y.B.A. SEC2C(2) (2Extra Credit)	
SAMYUKTAMAHARASHTRAMOVEMENT	
CO1	.ThisCourseisanintroductiontothepoliticalprocessinMaharashtrawithspecialreference to regionalismsub-regionalismandSamyuktaMaharashtraMovement
CO2	Theaimofthecourseisthatstudentsareexpectedtounderstandboththehistoricalevolution of Maharashtra"spoliticsanddifferentanalysesofpoliticsofthestate.
CO3	.Ittriestoacquaint studentswiththemainissuesandconcernsinthepubliclifeofaregionalsociety as Itshapedintheconceptofcolonialism,nationalismband modernity.
T.Y.B.A. SEC2D(2) (2Extra Credit	
SAMYUKTAMAHARASHTRAMOVEMENT	
CO1	ThisCourseisanintroductiontothepoliticalprocessinMaharashtrawithspecialreference to Regionalismsub-regionalismandSamyuktaMaharashtraMovement.
CO2	Theaimofthecourseisthatstudentsareexpectedtounderstandboththehistoricalevolution of Maharashtra"spoliticsanddifferentanalysesofpoliticsofthestate
CO3	.Ittriestoacquaint studentswiththemainissuesandconcernsinthepubliclifeofaregionalsociety as Itshapedintheconceptofcolonialism, nationalism and modernity.

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Course Outcomes

(2021-22)