

SCHEME OF EXAMINATION

COMMON COURSE

(B.Sc. Botany, Chemistry, Mathematics, Physics,
Computer Science, Food Technology, BA Arabic & Islamic History,
Economics, English, History, Mass Communication, BCA)

Semester I (2017 Admission)

COURSE	CODE	TITLE
Common	ENG1 A01	Trans Actions: Essential English Language Skills
Common	ENG1 A02	Ways with Words : Literature in English
Common	MAL1 A01	മലയാള സാഹിത്യം 1
Common	07 (1)	Prose and Drama
Common	ARB1 A07	Communicative Skills in Arabic

Semester II (2017 Admission)

COURSE	CODE	TITLE
Common	ENG2 A03	Writing for Academic and Professional Success
Common	ENG2 A04	Zeitgeist : Readings on Contemporary Culture
Common	MAL2 A02	മലയാള സാഹിത്യം 2
Common	08 (1)	Grammar Correspondence and Translation
Common	ARB2 A08	Reading Arabic Literature - 1

Semester III (2016 Admission)

COURSE	CODE	TITLE
Common	ENG3A05	Native Media in English
Common	MAL3 A03	മലയാളസാഹിത്യം 3
Common	09 (1)	Poetry in Hindi
Common	ARB3 A09	Reading Arabic Literature - 2

Semester IV (2016 Admission)

COURSE	CODE	TITLE
Common	ENG4A06	Reading Fiction and Non Fiction
Common	MAL4 A04	മലയാളസാഹിത്യം 4
Common	10 (1)	Novel and Short Stories
Common	ARB4 A10	Culture and Civilization

B.Sc MATHEMATICS**Semester I**

COURSE	CODE	TITLE
Core	MAT1B01	Foundations of Mathematics
Complementary	ST1C01	Basic Statistics and Probability
Complementary	PH1C01	Properties Of Matter & Thermodynamics

Semester II

COURSE	CODE	TITLE
Core	MAT2B02	Calculus
Complementary	ST2C02	Probability Distributions
Complementary	PH2C02	Mechanics, Relativity, Waves And Oscillations

Semester III

COURSE	CODE	TITLE
Core	MAT3B03	Calculus and Analytic Geometry
Complementary	ST3C03	Statistical Inference
Complementary	PH3C03	Optics, Laser, Electronics and Communication

Semester IV

COURSE	CODE	TITLE
Core	MAT4B04	Theory of Equations, Matrices and Vector Calculus
Compleme	ST4C04	Applied Statistics
Compleme	PH4CO4	Electricity Magnetism and Nuclear Physics
Compleme	PH4C05	Physics Practical

Complementary External Practical Examination

Semester V

COURSE	CODE	TITLE
Core	MAT5B05	Vector Calculus
Core	MAT5B06	Abstract Algebra
Core	MAT5B07	Basic Mathematical Analysis
Core	MAT5B08	Differential Equations
Project		

Semester VI

COURSE	CODE	TITLE
Core	MAT6B09	Real Analysis
Core	MAT6B10	Complex Analysis
Core	MAT6B11	Numerical Methods
Core	MAT6B12	Number Theory and Linear Algebra
Elective	MAT6B13(E02)	Linear Programing and Game Theory
Project	MAT6P14(PR)	

B.Sc PHYSICS**Semester I**

COURSE	CODE	TITLE
Core	PH1B01	Core Course-I : Methodology of Science and Physics
Core		Core Course - V : Practical 1
Complementary	MAT1C01	Mathematics
Complementary	CSC1C01	Computer Fundamentals
Complementary		Complementary Course Practical I

Semester II

COURSE	CODE	TITLE
Core	PH2B02	Core Course II : Properties of Matter, Waves and Acoustics
Core		Core Course V : Practical 1
Complementary	MAT2C02	Mathematics
Complementary	CSC2C02	Computer Science
Complementary		Complementary Course Practical-II

Semester III

COURSE	CODE	TITLE
Core	PH3B03	Core Course III : Mechanics
Core		Core Course VI : Practical I
Complementary	MAT3C03	Mathematics
Complementary	CSC3C03	Computer Science
Complementary		Complimentary Course Practical III

Semester IV

COURSE	CODE	TITLE
Core	PH4 B04	Core Course : Electrodynamics - I
Core	PH4 B05	Core Course V : Practical I
Complementary	MAT4C04	Mathematics
Complementary	CSC4C04	Computer Science
Complementary	CSC4C05	Complimentary Course, Practical IV

Complementary and Core External Practical Exam

Semester V

COURSE	CODE	TITLE
Core	PH5B06	Core Course VI : Electrodynamics - II
Core	PH5B07	Core Course VII : Quantum Mechanics
Core	PH5B08	Core Course VIII Physical Optics and Modern Optics
Core	PH5B09	Core Course IX : Electronics (Analogue and Digital)
Core		Core Course XIV- Practical II
Core		Core Course XV- Practical-III
Core		Core Course XVI : Project Work & Tour Report

Semester VI

COURSE	CODE	TITLE
Core	PHY6B10	Core Course X: Thermal And Statistical Physic
Core	PHY6B11	Core Course XI: Solid State Physics, Spectroscopy and Laser Physics
Core	PH6B12	Core Course XII: Nuclear Physics. Particle Physics and Astrophysics
Core	PH6B13(E1)	Core Course XIII Computational Physics
Core	PH6B14 P	Core Course XIV- Practical II
Core	PH6B15 P	Core Course XV- Practical II
Core	PH6B16	Core Course XVI: Project Work & Tour Report

External Practical Examinations Conducted At The End Of Semester VI

B.Sc CHEMISTRY

Semester I

COURSE	CODE	TITLE
Core	CHEI B01	Core Course Theoretical and Inorganic Chemistry-1
Core		Inorganic Chemistry Practical - 1
Complementary	MAT1C01	Mathematics
Complementary	PH1C01	Properties of Matter and Thermodynamics
Complementary	PH4C05	Complimentary Course Practical

Semester II

COURSE	CODE	TITLE
Core	CHE2B02	Theoretical and Inorganic Chemistry -II
Core		Inorganic Chemistry Practical - I
Complementary	MAT2C02	Mathematics
Complementary	PH2C02	Mechanics, Relativity, Waves and Oscillations
Complementary	PH4C05	Complementary Course Practical

Semester III

COURSE	CODE	TITLE
Core	CHE3B03	Physical Chemistry - I
Core		Inorganic Chemistry Practical - I
Complementary	MAT3C03	Mathematics
Complementary	PH3C03	Optics, Laser, Electronics and Communication
Complementary	PH4C05	Complementary Course Practical - I

Semester IV

COURSE	CODE	TITLE
Core	CHE4B04	Core Course Organic Chemistry - I
Core	CHE4B05 (P)	Core Course Inorganic Chemistry Practical -I
Complementary	MAT4C04	Mathematics
Complementary	PH4C04	Electricity, Magnetism And Nuclear Physics
Complementary	PH4C05	Complimentary Course Practical - I

External Core and Complementary Practical Examination Conducted at the end of Semester IV

Semester V

COURSE	CODE	TITLE
Core	CHE5BO6	Core Course VI: Inorganic Chemistry III
Core	CHE5BO7	Core Course Organic Chemistry II
Core	CHE5BO8	Core Course Physical Chemistry II
Core		Core Course XIV- Physical Chemistry Practical
Core		Core Course XV: Organic Chemistry Practical
Core		Core Course XVIII: Project Work

Semester VI

COURSE	CODE	TITLE
Core IX	CHE6B09	Inorganic Chemistry IV
Core X	CHE6B10	Organic Chemistry III
Core XI	CHE6B11	Physical Chemistry III
Core XII	CHE6B12	Advanced And Applied Chemistry
Core XIII, (Elective)	CHE6B13(E2)	Polymer Chemistry
Core XIV	CHE6B14(P)	Physical Chemistry
Core XV	CHE6B15(P)	Organic Chemistry Practical
Core XVI	CHE6B16(P)	Inorganic Chemistry Practical II
Core XVII	CHE6B17(P)	Inorganic Chemistry Practical III
Core XVIII	CHE6B18(Pr)	Project Work

External Core Practical Examinations will be conducted at the end of Semester VI

B.Sc BOTANY

Semester I

COURSE	CODE	TITLE
Core	BOT1B01T	Angiosperm Anatomy
Complementary	CHE1C01	General Chemistry
Complementary	Z01C01	Animal Diversity and Wild Life

Semester II

COURSE	CODE	TITLE
Core	BOT2B02T	Research Methodology & Micro Technique
Complementary	CHE2C02	Physical Chemistry
Complementary	ZO2C03	Economic Zoology

Semester III

COURSE	CODE	TITLE
Core	BOT3B03T	Microbiology, Mycology, Lichenology & Plant Pathology
Complementary	CHE3C03	Organic Chemistry
Complementary	ZO3C05	Physiology, Toxicology & Ethology

Semester IV

COURSE	CODE	TITLE
Core	BOT4B04T	Phycology, Bryology & Pteridology
Practical	BOT4B04P	Botany Practical Paper - I
Complementary	ZO4C07	Genetics & Immunology
Complementary Practical	ZO1C02, ZO2C04, ZO3C06, ZO4C08	Zoology Practical
Complementary	CHE4C04	Physical & Applied Chemistry
Practical	CHE4C05(P)	Chemistry Practical

Semester V

COURSE	CODE	TITLE
Core	BOT5B05T	Gymnosperms, Palaeobotany, Phytogeography & Evolution
Core	BOT5B05P	Core Course Practical V
Core	BOT5B06T	Angiosperm Morphology & Plant Systematics
Core	BOT5B06P	Core Course Practical VI
Core	BOT5B07T	Embryology, Palynology, Economic, Botany, Ethnobotany & Horticulture
Core	BOT5B07P	Core Course Practical VII
Core	BOT5B08T	General & Bioinformatics, Introductory, Biotechnology, Molecular Biology

Semester VI

COURSE	CODE	TITLE
Core	BOT6B09T	Genetics & Plant Breeding
Core	BOT6B09P	Core Course Practical IX
Core	BOT6B10T	Plant Physiology & Metabolism
Core	BOT6B10P	Core Course Practical X
Core	BOT6B11T	Cell Biology & Biochemistry
Core	BOT6B11P	Core Course Practical XI
Core	BOT6B12T	Environmental Science
Core	BOT6B12P	Core Course Practical XII
Core	BOT6B014T	Genetics And Crop Improvement
Core	BOT6B014P	Elective Practical
		Project Work, Practical Paper II & Practical Paper III

External Core Practical Examinations Conducted at the end of Semester IV & VI

BA ENGLISH LANGUAGE AND LITERATURE

Semester- I

COURSE	CODE	TITLE
Core	EN1B1	Reading Poetry

Semester- II

COURSE	CODE	TITLE
Core	EN2B1	Reading Prose
Complementary	JOU1C01 JOU2C01	Introduction to communication and journalism - News Reporting and Editing
	HIS1C03 HIS2C03	Social and Cultural History of Britain Ancient & Medieval

Semester- III

COURSE	CODE	TITLE
Core	EN3B1	Reading Drama
Core	EN3B2	Reading Fiction

Semester- IV

COURSE	CODE	TITLE
Core	EN4B1	Modern English Literature
Core	EN4B2	Methodology of Humanities
Complementary	JOU3C01 JOU4C01	History of Mass Media Corporate Communication and Advertising
	HIS3C03 HIS4C03	Social and Cultural History of Britain Revolution and Era of Colonialism - Victorian and Post Colonial Developments

Semester- V

COURSE	CODE	TITLE
Core	EN5B1	Indian Writing in English
Core	EN5B2	Language and Linguistics
Core	EN5B3	Methodology of Literature
Core	EN5B4	Informatics
Core	EN5B5	Project

Semester- VI

COURSE	CODE	TITLE
Core	EN6B1	Literary Criticism and Theory
Core	EN6B2	Literature in English : American and Post Colonial
Core	EN6B3	Women's Writing
Core	EN6B4	Writing for the Media
Core	EN6BSE1	World Classics in Translation
Project	EN6BS5	Project

BA HISTORY

Semester I

COURSE	CODE	TITLE
Core	HIS1B01	The Trends in Historiography

Semester II

COURSE	CODE	TITLE
Core	HIS2B02	History of the Early World
Complementary	EC1C01 EC2C02	Essential of Economics Micro - Macro Economics
	PS1C01 PS2C02	Political Science: An Introduction - Ideas & Concepts

Semester III

COURSE	CODE	TITLE
Core	HIS3B03	Informatics and History
	HIS3B04	History of Early India

Semester IV

COURSE	CODE	TITLE
Core	HIS4B05	History of the Medieval World
Core	HIS3B04	Methodology of Historical Writing
Complem entary	EC3C03 EC4C04	Essentials of Economics : Banking Finance & Trade- Indian Economy
	PS3C03 PS4C04	Political Science : Structure & Process-Political Ideologies

Semester V

COURSE	CODE	TITLE
Core	HIS5B07	Kerala Society and Culture: Ancient and Medieval
Core	HIS5B08	History of Medieval India
Core	HIS5B09	History of Modern India
Core	HIS5B10	History of Modern World

Semester VI

COURSE	CODE	TITLE
Core	HIS6B11	History of Modern Kerala
Core	HIS6B12	History Of Contemporary India
Core	HIS6B13	History of Contemporary Kerala
Core	HIS6B14	Gender Studies
Project	HIS6B15	Course Work - Dissertation
Elective	HIS6E01	Principles and Methods of Archaeology

BA ARABIC & ISLAMIC HISTORY (Dual Core)

Semester I

COURSE	CODE	TITLE
Core	ARD1 B01	Elementary Arabic Grammar
Core	ISH1 B01	Social Sciences, Methodology And Muslim Historiography

Semester II

COURSE	CODE	TITLE
Core	ARD2 B02	Applied Arabic Grammar
Core	ISH2 B02	History of Arabia UP TO 632 CE

Semester III

COURSE	CODE	TITLE
Core	ARD3 B03	Reading Modern Arabic Pros and Poetry
Core	ISH 3B 03	Historical Survey of West Asia (632-1517 CE)
Core	ISH 3B 04	Sciences and Culture in Islam

Semester IV

COURSE	CODE	TITLE
Core	ARD4 B04	Thahreekul Al Adabi Al Arabi Course - I
Core	ARD4 B05	Informatics in Arabic
Core	ISH 4B 05	Ottoman Turkey & Safavid Persia

Semester V

COURSE	CODE	TITLE
Core	ARD5 B06	Thahreekul Al Adabi Al Arabi Course - II
Core	ARD5 B07	Introduction to Translation
Core	ISH 5B 09	History And Culture of Medieval India
Elective	ISH 5E 01	Modern Arab World
	ARB6 B16	Project (Arabic)

Semester VI

COURSE	CODE	TITLE
Core	ARD6 B08	Rhetorics & Prosody - Paper
Core	ARD6 B09	Reading Classical and Medieval Arabic Literature
	ARD6 B16	Project Arabic
Core	ISH 6B 10	History and Culture of Modern India
Core	ISH 6B 11	History and Culture of Kerala Muslims
	ISH 6B 15	Study Tour & Project Work (Islamic History

B.A ECONOMICS

Semester I

COURSE	CODE	TITLE
Core	ECO1B01	Micro Economics - 1

Semester II

COURSE	CODE	TITLE
Core	EC02B02	Micro Economics - II
Complement-ary	POL1C01 POL2C02	Political Science: An Introduction - Ideas & Concepts
	HIS2C01 HIS1C01	Modern Indian History

Semester III

COURSE	CODE	TITLE
Core	EC03B03	Quantitative Methods for Economic Analysis- I
Core	EC03B04	Modern Banking and Insurance

Semester IV

COURSE	CODE	TITLE
Core	ECO4B05	Quantitative Methods for Economics Analysis - II
Core	ECO1B06	Computer Application for Economic Analysis
Complement-ary	POL3C03 POL4C04	Political Science : Structure & Process-Political Ideologies
	HIS3C01 HIS4C01	Modern Indian History

Semester V

COURSE	CODE	TITLE
Core	EC5B07	Macro Economics - 1
Core	EC5B08	India's Economic Development : National and Regional
Core	EC5B09	Economics of Capital Market
Core	EC5B10	International Economics

Semester VI

COURSE	CODE	TITLE
Core	EC6B11	Macro Economics - 2
Core	EC6B12	Mathematical Economics
Core	EC6B13	Public Finance
Core	EC6B14	Development Economies
Elective	EC6E03	Economics of Business & Finance
Project	EC6B15 (PR)	Individual / Group Activity

B.Com. Finance (Aided)
B Com. Computer Application (Self Financing)
B Com. Co-operation (Self Financing)

Semester I

COURSE	CODE	TITLE
Common	ENG1 A01	Transactions: Essential English Language Skills
Common	ENG1 A02	Ways with Words : Literature in English
Common	07(2)	Prose Forms in Hindi Literature
Common	MAL1A01(1)	മലയാള സാഹിത്യ പഠനം-1
Common	ARB1A07(1)	Communication Skill in Arabic
Core	BC1B01	Business Management
Compleme.	BC1C01	Managerial Economics

Semester II

COURSE	CODE	TITLE
Common	ENG2 A03	Writing for Academic and Professional Career
Common	ENG2 A04	Zeitgeists : Reading on Contemporary Culture
Common	09(2)	Poetry, Correspondence and Translation
Common	MAL2A02(1)	മലയാള സാഹിത്യ പഠനം-2
Common	ARB2A08(1)	Literature in Arabic
Core	BC2B02	Financial Accounting
Compleme	BC2C02	Marketing Management

Semester III

COURSE	CODE	TITLE
Common	BC3A11	Basic Numerical Skills
Common	BC3A12	General Informatics
Core	BC3B03	Business Regulations
Core	BC3B04	Corporate Accounting
Compleme.	BC3C03	Human Resource Management

Semester IV

COURSE	CODE	TITLE
Common	BC4A13	Entrepreneurship Development
Common	BC4A14	Banking and Insurance
Core	BC4B05	Cost Accounting
Core	BC4B06	Corporate Regulations
Compleme.	BC4C04	Quantitative Techniques for Business

Semester V

COURSE	CODE	TITLE
Core	BC5B07	Accounting for Management
Core	BC5B08	Business Research Methods
Core	BC5B09	Human Resource Management
For B Com. Finance		
Core	BC5B10	Financial Reporting
Core	BC5B11	Financial Management
For B Com. Computer Application		
Core	BC5B10	Business Application Computers
Core	BC5B11	Business Information System
For B Com. Co-operation		
Core	BC5B10	Co-operative Theory and Practice
Core	BC5B11	Legal Framework for Co-operative

Semester VI

COURSE	CODE	TITLE
Core	BC6B12	Income Tax Law And Practice
Core	BC6B13	Auditing
Core project	BC6B16(PR)	3 Weeks Project and Viva Voce
For B Com. Finance		
Core	BC6B14	Financial Markets & Services
Core	BC6B15	Fundamental of Investment
For B Com. Computer Application		
Core	BC6B14	Office Automation Tools
Core	BC6B15	Computerized Accounting with Tally
For B Com. Co-operation		
Core	BC6B14	International Co- Operative Movement
Core	BC6B15	Co-operative Management and Administration

BBA FINANCE (Aided) & BBA (Self Financing)

Semester I

COURSE	CODE	TITLE
Common	ENG1 A01	Transactions: Essential English Language Skills
Common	ENG1 A02	Ways with Words : Literature in English
Common	A07(2)	Prose forms in Hindi Literature
Common	MAL1A01(1)	മലയാള സാഹിത്യ പഠനം-1
Common	ARB1 A07(1)	Communicative Skills in Arabic
Core	BB1B01	Management Concepts and Business
Compleme.	BB1C01	Managerial Economics

Semester II

COURSE	CODE	TITLE
Common	ENG2 A03	Writing for Academic and Professional Career
Common	ENG2 A04	Zeitgeists : Reading on Contemporary Culture
Common	A09 (2)	Literature in Hindi
Common	MAL2A02(1)	മലയാള സാഹിത്യ പഠനം-2
Common	ARB2 A08(1)	Literature in Arabic
Core	BBIIB02	Financial Accounting
Compleme	BBIIC02	IT for Business and Management

Semester III

COURSE	CODE	TITLE
Common	BBIIIA11	Basic Numerical Skills
Common	BBIIIA12	General Informatics
Core	BBIIIB03	Business Regulatory Framework
Core	BBIIIB04	Human Resource Management
Compleme.	BBIIIC03	Quantitative Techniques for Business

Semester IV

COURSE	CODE	TITLE
Common	BBIVA13	Banking & Insurance
Common	BBIVA14	Entrepreneurship Development
Core	BBIVB05	Marketing Management
Core	BBIVB06	Financial Management
Compleme.	BBIVC04	Management Science

Semester V

COURSE	CODE	TITLE
Core	BBVB07	Accounting for Management
Core	BBVB08	Business Research Methods
Core	BBVB09	Emerging Trends in Management
Core	BBVB10	Indian Financial System
Core	BBVB11	Investment Management

Semester VI

COURSE	CODE	TITLE
Core	BBVIB12	Operations Management
Core	BBVIB13	Organizational Behavior
Core	BBVIB14	Income Tax
Core	BBVIB15	Working Capital Management
Project	BBVIB16	3 Weeks Project & Viva Voce

OPEN COURSES - SEMESTER V

DEPT	CODE	TITLE
Physics	PH5D01(3)	Elementary Medical Physics
Chemistry	CH5D02	Chemistry In Everyday Life
Mathematics	MM5D02	Mathematics In Natural Sciences
Botany	BOT5BD02	Applied Botany
English	EN5D03	Applied Language Skill
Arabic	ARB 5D 01	Socio Economic Concept of Islam
Economics	EC6E01	Basic Principles of Economics
History	HY5D01	Heritage Studies
Commerce	BC5D03	1. Basic Accounting
	BC5D01	2. E Commerce
Physical Education	PE5D03	Physical Activity, Health & Wellness

B.Sc COMPUTER SCIENCE (Self Financing)**Semester-I**

COURSE	CODE	TITLE
Core	BCS1B01	Computer Fundament and HTML
Complementary	MAT1C01	Complementary Mathematics 1
Complementary	ST1C01	BASIC STATISTICS & PROBABILITY

Semester-II

COURSE	CODE	TITLE
Core	BCS2B02	Problem Solving Using C
Core	BCS3B03	Lab HTML and programing in C
Complementary	MAT2C02	Mathematics II
Complementary	ST2C02	Probability Distribution

Semester-III

COURSE	CODE	TITLE
Core	BCS3A11	Basic Numerical Skill
Core	BCS3A12	General Informatics
Core	BCS3B04	Data Structure & using C
Complementary	MAT3CO3	Mathematics III
Complementary	ST3CO3	Statistics Inference

Semester-IV

COURSE	CODE	TITLE
Core	BCS4A13	Entrepreneurship
Core	BCS4A16	Basics of Audio & Video Media
Core	BCS4BO6	Lab Data Structure and RDBMS
Core	BCS4BO5	Data base management system and RDBMS
Complementary	MAT3CO4	Mathematics IV
Complementary	ST3CO34	Applied Statistics

Semester-V

COURSE	CODE	TITLE
Core	BCS5B08	Computer Organization and Architecture
Core	BCS5B09	JAVA Programming
Core	BCS5B10	WEB Programming Using PHP
Core	BCS5B11	Principle of Software Engineering
Open	BCS5B11	Open Course
Project		Project Work

Semester-VI

COURSE	CODE	TITLE
Core	BCS6B12	Android Programming
Core	BCS6B13	Fundamentals of Operating System
Core	BCS6B14	Computer Net Works
Core	BCS6B15	Programming Laboratory III :JAVA and PHP Programming
Core	BCS6B16	Programming Laboratory IV : Android & Linux Shell Programming
Elective	BCS6B17X	Elective Course
Project	BCS6B18	Project Work

BCA (Self Financing)

Semester-I

COURSE	CODE	TITLE
Core	BCAIB01	Computer Fundamentals & HTML
Complementary	BCAIC01	Mathematical Foundation of Computer Applications
Complementary	BCAIC02	Discreet Mathematics

Semester-II

COURSE	CODE	TITLE
Core	BCA2B02	Problem solving using C
Core	BCA2C03	Financial & Management Accounting
Complementary	BCA2C04	Operations Research

Semester-III

COURSE	CODE	TITLE
Common	BCA3A11	General Course I-Numerical Skill
Common	BCA3A12	General Informatics
Core	BCA3B03	
Core	BCA3B04	Data Structure Using C
Complementary	BCA3C05	Computer Oriented Numerical & Statistical Methods
Complementary	BCA3C06	Theory of Computation

Semester-IV

COURSE	CODE	TITLE
Common	BCA4A13	Entrepreneurship
Common	BCA4A14	Basis of Audio & Video Media
Core	BCA4B05	Data Base Management Systems RDBMS
Core	BCA4B06	Programming Laboratory I - Data Structure Using C++
Core	BCA4B07	Programming Laboratory II-RDBMS & Data Structure
Comple	BCA4C07	E-Commerce
Comple	BCA4C08	Computer Graphics

Semester-V

COURSE	CODE	TITLE
Core	BCA5B08	Android Programming
Core	BCA5B09	JAVA Programming
Core	BCA5B10	Computer Networks
Core	BCA5B11	Computer Organization and Architecture
Core	BCA5B12	Micro Processor and Applications
Open	BCA5DX	Open Course

Semester-VI

COURSE	CODE	TITLE
Core	BCA6B13	Web Programming
Core	BCA6B14	Software Enginneering
Core	BCA6B15	Operating System
Core	BCA6B16	Programming Laboratory III - Java & Web Programming
Core Project	BCA6B17	Project & Programme Viva Voice
Core	BCA6B18X	Elective

B.Sc FOOD TECHNOLOGY (Self Financing)

Semester I

COURSE	CODE	TITLE
Core	FT 1 B01	Perspective of Food Science & Technology
Complementary	PH1C01	Properties of Matter Thermodynamics Complementary
Practical Complementary	CHE 1 C01T	General Chemistry
Complementary	CHE 1 C01P	Complementary Practical

Semester II

COURSE	CODE	TITLE
Core	FT2B03	Food Microbiology-1
Complementary	PH2C02	Mechanics, Relativity, Waves & Oscillations
Complementary	CHE2C02T	Physical Chemistry
Complementary	CH E 2C01P	Complementary Practical

Semester III

COURSE	CODE	TITLE
Common	FT3A11	Numerical Skill
Common	FT3A12	General Informatics
Core	FT3B05	Technology of Food Preservation
Core	FT3B06(P)	Technology of Food Preservation
Core	PH3C03	Optics, Laser Electronics & Communication
Complementary	CHE3C03 T	Organic Chemistry
Complementary	CHE3C01P	Complementary Practical

Semester IV

COURSE	CODE	TITLE
Common	FT4A 13	Entrepreneurship Development Programme
Common	FT4A 14	Nutrition & Health
Core	FT4 B07	Food Chemistry & Analytical Instrumentation
Core	FT4B08P	Food Chemistry & Analytical Instrumentation
Complementary	PH4C04	Electricity, Magnetism & Nuclear Physics
Complementary	PH4C05	Complementary Practical
Complementary	CHE4C04T	Physical & Applied Chemistry
Complementary	CHE4C05P	Complementary Practical

Semester V

COURSE	CODE	TITLE
Core	FT 5B09	Food Microbiology II
Core	FT 5B10	Cereals, Pulses & Dil Seed Technology
Core	FT 5B11	Technology of Animal Foods
Core	FT 5B12P	Cereals, Pulses & Oil Seed Technology
Core	FT 5B13P	Food Micro Biology II
Core	FT 5B14	Spices and Plantation Products
Electives	FT 5D01/02/03	01 Technology of Spices 02 Fruits and Vegetables Processing 03 Food and Health

Semester VI

COURSE	CODE	TITLE
Core	FT6B15E	Food Engineering
Core	FT6B16	Dairy Technology
Core	FT6B17	Food Safety, Regulations & Packaging
Core	FT6B18	Technology of Fruits & Vegetables
Core	FT6B19P	Technology of Fruits & Vegetables
Core	FT6B20P	Technology of Animal Foods
Project	FT6B21PR	Project Work

B.A MASS COMMUNICATION (Self Financing)**Semester I**

COURSE	CODE	TITLE
Core	JOU1B01	Fundamentals of Mass Communication

Semester II

COURSE	CODE	TITLE
Core	JOU2B02	History of Journalism and Broadcasting
Complementary	PS1C01 PS2C02	Political Science: An Introduction - Ideas & Concepts
Complementary	ENG1C01 ENG2C02	English Language and Communication Presentation Skills

Semester III

COURSE	CODE	TITLE
Core	JOU3B03	Reporting for News Paper
Core	JOU3B04	Editing for News Paper

Semester IV

COURSE	CODE	TITLE
Core	JOU4B05	Design and Pagination
Core	JOU4B06	Radio Production
Complementary	PS3C03 PS4C04	Political Science : Structure & Process-Political Ideologies
Complementary	ENG3C03 ENG4C04	Academic Writing

Semester V

COURSE	CODE	TITLE
CORE	JOU5B07	Introduction to Mass Communications Theories
CORE	JOU5B08	Introduction To Television Production
CORE	JOU5B09	Co-operate Communication
CORE	JOU5B10	Advertising
CORE	JOU5B11	Photo Journalism
OPEN	JOU5DX	Open Course

Semester VI

COURSE	CODE	TITLE
CORE	JOU6B12	Media Laws And Ethics
CORE	JOU6B13	Online Journalism
CORE	JOU6B14	Introduction to Cinema
CORE	JOU6B15	Economic and Business Reporting
Core	JOU6B16	Project

M.Sc MATHEMATICS**Semester I**

COURSE	CODE	TITLE
Core	MT1C01	Algebra-1
Core	MT1C02	Linear Algebra
Core	MT1C03	Real analysis-I
Core	MT1C04	Number Theory
Core	MT1C05	Discrete Mathematics
Core	MT1V06	Viva Voce

Semester II

COURSE	CODE	TITLE
Core	MT2C07	Algebra-II
Core	MT2C08	Real Analysis-II
Core	MT2C09	Topology
Core	MT2C10	Ode & Calculation of Variations
Core	MT2C11	Operation Research

Semester III

COURSE	CODE	TITLE
Core	MT3C12	Multi Variable Calculus & Geometry
Core	MT3C13	Complex Analysis
Core	MT3C14	Functional Analysis
Core	MT3C15	Pde & Integral Equations
Project	MT3C17	Project
Core	MT3V16	Viva Voice

Semester IV

COURSE	CODE	TITLE
Elective	MT4E03	Cryptography
Core	MT4E07	Advanced Functional Analysis
Elective	MT4E09	Fluid Dynamics
Elective	MT4E14	Differential Geometry
Project	MT4C17	Project

M.Sc PHYSICS**Semester I**

COURSE	CODE	TITLE
Core	PHY1C01	Classical Mechanics
Core	PHY1C02	Mathematical Physics
Core	PHY1C03	Electrodynamics&plasma Physics
Core	PHY1C04	Electronics
Core	PHY1P01	General Physics Practical-1
Core	PHY1P02	Electronics Practical-1

Semester II

COURSE	CODE	TITLE
Core	PHY2C05	Quantum Mechanics-1
Core	PHY2C06	Mathematical Physics-II
Core	PHY2C07	Statistical Mechanics
Core	PHY2C08	Computational Physics
Core	PHY2P03	General Physics Practical-II
Core	PHY2P04	Electronics Practical-II

Semester III

COURSE	CODE	TITLE
Core	PHY3C09	Quantum Mechanics II
Core	PHY3C10	Nuclear&particle Physics
Core	PHY3C11	Solid State Physics
Elective	PHY3E07	Experimental Techniques
Project	PHY4Pr	Project
Core	PHY3P05	Modern Physics Practical-I

Semester IV

COURSE	CODE	TITLE
Core	PHY4C12	Spectroscopy
Core	PHY4E13	Lasers And Fibre Optis
Core	PHY4E20	Microprocessors & Application
Project	PHY4Pr1	Project
Core	PHY4P06	Modern Physics Practical
Core	PHY4P07	Computational Physics Practical

External Practical Examinations Conducted At The End Of Semester II & IV

M.Sc. CHEMISTRY

Semester I

COURSE	CODE	TITLE
Core	CH1C01	Basic Concepts in Quantum Chemistry and Group Theory
Core	CH1C02	Elementary Inorganic Chemistry
Core	CH1C03	Structure and Reactivity of Organic Compounds
Core	CH1C04	Thermody Namics, Kinetics and Catalysis
Core	CH1P01	Inorganic Chemistry Practical- I
Core	CH1P02	Organic Chemistry Practical - I
Core	CH1P03	Physical Chemistry Practical - I

Semester II

COURSE	CODE	TITLE
Core	CH2CO5	Application of Quantum Mechanics And Group Theory
Core	CH2CO6	Coordination Chemistry
Core	CH2CO7	Reaction Mechanism in Organic Chemistry
Core	CH2CO8	Electrochemistry Solid State Chemistry and Statistical Thermodynamics
Core	CH2PO4	Inorganic Chemistry Practical- II
Core	CH2PO5	Organic Chemistry Practical- II
Core	CH2PO6	Physical Chemistry Practical- II
Core	CH2PVO1	Viva Voce

Semester III

COURSE	CODE	TITLE
Core	CH3C09	Molecular Spectroscopy
Core	CH3C10	Organometallic & Bioinorganic Chemistry
Core	CH3C11	Reagents and Transformation in organic chemistry
Core	CH3P07	Inorganic Chemistry Practical-III
Core	CH3P08	Organic Chemistry Practical-III
Core	CH3P09	Physical Chemistry Practical - III
Elective	CH3E01	Synthetic Organic Chemistry

Semester IV

COURSE	CODE	TITLE
Core	CH4C13	Advanced Topics In Chemistry
Core	CH4C12	Instrumental Methods Of Analysis
Core	CH4P10	Inorganic Chemistry Practical-IV
Core	CH4P11	Organic Chemistry Practical- IV
Core	CH4P12	Physical Chemistry Practical- IV
Elective	CH4E06	Natural Products & Polymers
Project	CH4Pr01	Research Project
Viva	CH4V02	Viva Voce

External Practical Examinations Conducted at The end of Semester II & IV

M.Sc Botany (Self Financing)

Semester I

COURSE	CODE	TITLE
Core	BOO1CT01	Phycology, Bryology, Pteridology And Gymnosperms
	BOO1CT02	Mycology And Lichenology, Microbiology and Plant Pathology
	BOO1CT03	Angiosperm Anatomy, Embryology, Palynology and Lab Techniques
	BOO1CP04	Practical

Semester II

COURSE	CODE	TITLE
Core	BOO2CT05	Cell Biology, Molecular Biology And Biophysics
	BOO2CT06	Cytogenetics, Genetics, Biostatistics, Plant Breeding & Evolution
	BOO2CT07	Plant Ecology, Conservation Biology, Phytogeography & Forest Botany
	BOO2CP08	Practical

Semester III

COURSE	CODE	TITLE
Core	BOO3CT09	Plant Physiology, Metabolism and Biochemistry
	BOO3CT10	Angiosperm Morphology and Taxonomy and Plant Resources
	BOO3CT11	Biotechnology And Bioinformatics
	BOO3CP12	Practical

Semester IV

COURSE	CODE	TITLE
ELECTIVE 1	BOO4ET13	Environmental Biology and Biodiversity Conservation
ELECTIVE 2	BOO4ET14	Genetics and Crop Improvement
	BOO4EP15	Practical of Elective 1
	BOO4EP16	Practical of Elective 11
	BOO4DN17	Dissertation
	BOO4VV18	Viva Voce

External Practical Examinations Conducted at the end of Semester II and IV

M.A HISTORY

Semester I

COURSE	CODE	TITLE
Core	HISCSSIC101	Methods of Historical Research
Core	HISCSSIC102	Writing Kerala History - Historiography & Sources
Core	HISCSSIC103	Selected Themes in Indian Historiography
Core	HISCSSIC104	History of Premodern Societies

Semester II

Core	HISCSS2C105	Problems & Debates in Ancient Indian History
Core	HISCSS2C106	Problems of Kerala History
Core	HISCSS2C107	Problems & Perspectives in South Indian History
Core	HISCSS2C108	Aspects of the History of Modern World

Semester III

Core	HISCSS3C109	Theory & Method of Historiography
Core	HISCSS3C110	Medieval India-problems & perspectives
Core	HISCSS3C111	Ideology & Practice of National Movement
Core	HISCSS3C112	Economic History of Modern India

Semester IV

Core	HISCSS4CIII	Selected Debates in Modern Indian History
Core	HISCSS4CII2	Contemporary India-problems & Perspectives
Elective	HISCSS4EII6	Environmental History of India
Elective	HISCSS4 E122	Field Studies In Archaeology
Elective		Dissertation & Viva Voce

M.A ISLAMIC HISTORY

Semester I

COURSE	CODE	TITLE
Core	ISH 101	Muslim historiography
Core	ISH 102	Social & Political Formation In Islam
Core	ISH 103	Political Structure of Islam (Umayyads & Abbasids)
Core	ISH 104	Indo Muslim Culture

Semester II

Core	ISH 201	Research Methodology
Core	ISH 202	Islamic Jurisprudence
Core	ISH 203	Economics In Islam
Core	ISH 204	History of Modern India

Semester III

Core	ISH 301	The Ottoman Empire & Turkish Republic
Core	ISH 302	Muslim Contributions to Knowledge
Core	ISH 303	Islamic Banking & Finance
Core	ISH 304	History and Culture of Kerala Muslims

Semester IV

Core	ISH 401	Religion & Polity In Iran
Core	ISH 402	Muslim Reform Movements & Thinkers
Core	ISH 403	Islamic World in Modern Times
Elective	ISH E 401 or ISH E 402	Contemporary Debates on Islam or Major World Religion
Project		Dissertation & Viva Voce

M.A ECONOMICS

Semester I

COURSE	CODE	TITLE
Core	ECO1CO1	Micro Economics : Theory& Applications-1
Core	ECO1CO2	Macro Economic : Theory& Policies
Core	ECO1CO3	Indian Economy-Problems & Policies
Core	ECO1CO4	Quantitative Methods for Economic Analysis - 1

Semester II

Core	ECO2CO5	Micro Economic Theory & Applications-II
Core	ECO2CO6	Macro Economic Theory& Policy-II
Core	ECO2CO7	Public Finance & Theory & Practice
Core	ECO2CO8	Quantitative Methods for Economic Analysis - 2

Semester III

Core	ECO3CO9	International Trade
Core	ECO3C10	Growth & Development
Core	ECO3C11	Banking : Theory & Practice
Core	ECO3C12	Basic Economics

Semester IV

Core	ECO4C13	International Finance
Core	ECO4C14	Financial Market
Electives-1		Agricultural Economics
Electives-2		Business Economics
Project		Dissertation

M.Com (FINANCE)

Semester I

COURSE	CODE	TITLE
Core	MC1C1	Business Environment
Core	MC1C2	Quantitative Techniques for Business Decision
Core	MC1C3	Accounting for Managerial Decision
Core	MC1C4	IT Application in Commerce
Core	MC1C5	Organization theory and Behavior

Semester II

Core	MC2C6	International Business
Core	MC2C7	Advanced Corporate Accounting
Core	MC2C8	Business Communication
Core	MC2C9	Management Science
Core	MC2C10	Strategic Management and Corporate Governance

Semester III

Core	MC3C11	Financial Marketing and Institution
Core	MC3C12	Income Tax Law and Practice
Core	MC3C13	Research Methodology
Elective	MC3E01	Financial Management
Elective	MC3E02	Security Analysis and Portfolio Management

Semester IV

Core	MC4 C14	Financial Derivatives and Risk Management
Core	MC4 C15	Cost Management
Elective	MC4 E03	Strategic Financial Management
Elective	MC4 E04	Tax Planing and Management
Elective	MC4EP01	Project Report and Viva Voce