

**BA Arabic & Islamic History (Double Main) 1BA - MKUAIH**  
**Course Name : Elementary Arabic Grammar ; Course Code : ARD1 B01**

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 44137 | CO1     | Familiarize with the structure of Arabic language and grammar                              | 85          |
| 44141 | CO2     | Help understand the fundamentals of Arabic grammar   | 85          |
| 44145 | CO3     | Enable to speak and write in Arabic without grammatical mistakes                           | 65          |
| 44157 | CO4     | Help go through various forms of applications of each rules in basic Arabic grammar        | 75          |
| 44162 | CO5     | Analyze and experience the complexities in basic Arabic grammar through practical sessions | 85          |

**BA Arabic & Islamic History (Double Main) 1BA - MKUAIH**  
**Course Name : Historical Survey of West Asia (632-1517-CE) ; Course Code : ISH2 BO2**

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 46862 | CO1     | Able to understand Historical origin of Caliphate       | 77.27       |
| 47025 | CO2     | Able to understand Caliph Umar and His Administrations  | 64.78       |
| 47029 | CO3     | Able to understand Transforming Caliphate into Kingship | 95.45       |
| 47039 | CO4     | Able to understand Origin of Abbasids                   | 81.82       |

**BA Arabic & Islamic History (Double Main) 1BA - MKUAIH**

**Course Name : History And Culture of Medieval India; Course Code : ISH 5B 09**

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 61618 | CO1     | Understand the characteristics of Medieval Court Historians | 80.77       |
| 61624 | CO2     | Specify the details of Reforms of Muhammed ibnuThuglaq      | 80.77       |
| 61626 | CO3     | Deliberate in details of Akbar the great                    | 71.15       |
| 61630 | CO4     | Learn the details of Literature in Medieval India           | 82.69       |
| 61634 | CO5     | Understand the details of Bhakthi movement                  | 92.31       |

**BA Arabic & Islamic History (Double Main) 1BA - MKUAIH**  
**Course Name : History And Culture of Modern India; Course Code : ISH 6B 10**

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 61604 | CO1     | Specify the details of Effects of Mughal Decline        | 75          |
| 61616 | CO2     | Deliberate in details of Gandhiji and Khilafat Movement | 73.96       |

**BA Arabic & Islamic History (Double Main) 1BA - MKUAIH**  
**Course Name : Modern Arab World; Course Code : ISH 5E 01**

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 61324 | CO1     | Specify the details of economic importance of Arab world                         | 79.69       |
| 61325 | CO2     | Understand in details with examples Egypt and modernity                          | 50          |
| 61326 | CO3     | Deliberate the characteristics of Arab world after World War I                   | 76.56       |
| 61327 | CO4     | Understand the classification and characteristics of British and French mandates | 82.03       |

**BA Arabic & Islamic History (Double Main) 1BA - MKUAIH**  
**Course Name : Social Sciences, Methodology And Muslim Histrography; Course Code : ISH1 B01**

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 47878 | CO1     | Understand the classification and characteristics of social science | 76.79       |
| 47880 | CO2     | Identify in depth emergence of social science                       | 90.17       |
| 47889 | CO3     | Deliberate in details with examples anthropology                    | 75          |
| 47891 | CO4     | Learn the details of interdisciplinary                              | 85.71       |

#### BA Economics - MKUEC

Course Name : ECONOMICS OF CAPITAL MARKET; Course Code : ECSB09

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 37836 | CO1     | PROVIDE AMPLE CAREER OPPORTUNITIES TO THE STUDENTS OF ECONOMICS   | 75.71       |
| 37868 | CO2     | IDENTIFY THE ROLE OF FINANCIAL MARKET AND FINANCIAL INSTITUTIONS IN AN ECONOMY  | 90.48       |
| 37902 | CO3     | FAMILARIZE FINANCIAL INSTRUMENTS AND FINANCIAL PRACTICES  | 78.57       |
| 37933 | CO4     | PROVIDING A PLATFORM TO STUDENTS OF ECONOMICS IN DEVELOPING THE SKILLS REQUIRED TO TAKE UP A CAREER IN FINANCIAL SECTOR | 100         |
| 37981 | CO5     | PROVIDE THEM AN OPPORTUNITY TO THINK OF HIGHER STUDIES IN FINANCE   | 90.48       |
| 38055 | CO6     | OPPORTUNITY TO FAMILIARIZE WITH THE BASIC CONCEPTS RELATED TO CAPITAL MARKET  | 92.86       |

#### BA Economics - MKUEC

Course Name: INDIA'S ECONOMIC DEVELOPMENT - NATIONAL AND REGIONAL; Course Code:EC5B08

|       |     |   |       |
|-------|-----|---|-------|
| 42374 | C01 | Learn in details with application, if applicable, Indian agriculture                      | 84.09 |
| 43463 | C02 | Write down in depth Indian industries   | 65.91 |
| 43466 | C03 | Learn in depth poverty in India   | 84.09 |
| 43468 | C04 | Understand in details with application, if applicable, challenges faced by Indian economy | 68.18 |
| 43473 | C05 | Specify the classification and characteristics of Kerala's economic development           | 86.36 |

#### BA Economics – MKUEC

Course Name: INTERNATIONAL ECONOMICS; Course Code:EC5B10

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 38197 | C01     | UNDERSTAND THE DIFFERENCE BETWEEN INTERNAL AND EXTERNAL ECONOMIES AND AND THE IMPORTANCE OF TERMS OF TRADE IN AN ECONOMIC DEVELOPMENT | 78.85       |

|       |     |  |       |
|-------|-----|--|-------|
| 38243 | C02 | KNOW DIFFERENT COMMERCIAL POLICIES ADOPTED BY THE MODERN ECONOMIES OF THE WORLD INCLUDING TARIFF AND NON TARIFF BARRIERS | 84.62 |
| 38298 | C03 | FAMILARISE THE CONCEPT ECONOMIC INTEGRATION AND EXTREEM FORMS OF DIFFERENT INTEGRATIONS IN THE WORLD                     | 53.85 |
| 38369 | C04 | UNDERSTAND MORE ABOUT FOREIGN EXCHANGE MARKET AND FAMILARISE DIFFERENT FOREIGN EXCHANGE TRANSACTIONS IN THE WORLD        | 98.08 |
| 38420 | C05 | PROVIDE AN OPPORTUNITY TO KNOW AND PREPARE BALANCE OF PAYMENT AND KNOW DIFFERENT METHODS TO OVERCOME BOP DEFICIT         | 96.15 |

#### BA Economics – MKUEC

Course Name: MACRO ECONOMICS I; Course Code:EC5B07

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 37955 | C01     | Compute different measures of macroeconomic activity such as the national income accounts, inflation, and unemployment, and evaluate the shortcomings of traditional economic measures | 70.34       |
| 37993 | C02     | Recognize how monetary and fiscal policy can be used to achieve policy goals   | 46.21       |
| 38159 | C03     | UNDERSTAND MORE ABOUT CONSUMPTION PATTERN IN THE ECONOMY   | 88.28       |
| 61999 | C04     | Understand the classification and characteristics of national income concepts  | 81.38       |

#### BA Economics – MKUEC

Course Name: MICROECONOMICS 1; Course Code:ECO1B01

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 37703 | C01     | Provide basic understanding of the behavior of individual economic agents   | 68.18       |
| 37722 | C02     | Introduce the idea and interaction of Consumer, Producer and market   | 70.45       |
| 37749 | C03     | Introduce the students to the basic ideas and tools that will be utilized throughout in the other courses of the degree programme | 75          |
| 37764 | C04     | Provide the basic understanding of demand, supply and laws of demand and supply   | 61.36       |
| 62002 | C05     | Identify the characteristics of elasticity  | 68.18       |

#### BA Economics – MKUEC

Course Name: MODERN BANKING AND INSURANCE; Course Code:EC03B04

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 37817 | C01     | Provides students the latest development in the field of banking and financial system. | 90          |
| 37838 | C02     | Familiarize the students with the changing scenario of Indian banking.                 | 76          |
| 37842 | C03     | Provide a basic understanding of the mechanics of insurance.                           | 80          |
| 37854 | C04     | Explain the concept of insurance and how it is used to cover risk.                     | 50          |

#### BA Economics – MKUEC

Course Name: MODERN INDIAN HISTORY; Course Code:HIS3C01 HIS4C01

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 44676 | C01     | To analyze the important persons and their ideas. | 100         |

|       |     |  |       |
|-------|-----|--|-------|
| 44698 | C02 | To analyze the concept historical reading and and writing to the students.   | 83.33 |
| 44808 | C03 | To analyze the history of historical development of nationalist's movements. | 94.44 |
| 58696 | C04 | To analyze consolidation of English power in India.                          | 75    |
| 66577 | C05 | Learn in details with examples Indian national movement                      | 90    |
| 66579 | C06 | Write down in details with application, if applicable, Gandhian phase        | 83.75 |

#### BA Economics – MKUEC

Course Name: POLITICAL SCIENCE - AN INTRODUCTION - IDEAS AND CONCEPTS; Course

Code:POL1C01 POL2C02

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 39863 | C01     | Analyzing what is Politics and explaining the approaches to the Study of Political Science – Normative, Behavioral and Post Behavioral. | 90.48       |
| 39864 | C02     | Assessing the theories of State   | 63.1        |
| 39867 | C03     | Explaining the Concept of State Sovereignty: Monistic and Pluralistic Theories.   | 96.43       |
| 39869 | C04     | Assessing empirical Political Theory: System's Analysis, Structural Functionalism.  | 77.38       |
| 39870 | C05     | Know the characteristics of Political Culture   | 54.76       |

#### BA Economics – MKUEC

Course Name: POLITICAL SCIENCE - STRUCTURE AND PROCESS-POLITICAL IDEOLOGIES; Course Code:POL3C03

POL4C04

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 39874 | C01     | Learn in details with application, if applicable, Organs of Government                         | 75          |
| 39875 | C02     | Learn the details of Form of Government  | 75          |
| 39876 | C03     | Know the classification and characteristics of Political Parties                               | 75          |
| 39878 | C04     | Learn in details with examples Methods of representation of minorities                         | 75          |
| 39880 | C05     | Know in depth Political Ideologies of Individualism, Liberalism, Gandhism, Fascism and Marxism | 75          |

#### BA ENGLISH - MKUEN

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 37514 | C01     | Able to have a greater understanding of communication process with an objective study of language. | 100         |
| 37517 | C02     | Familiarizes with the key concepts of linguistics.   | 100         |
| 37522 | C03     | Makes the learner aware of recent trends in language study.  | 80.21       |
| 37528 | C04     | Develop a sense of English grammar, idioms, syntax and usage.                                      | 64.58       |
| 37533 | C05     | Learners attain better pronunciation in everyday conversation.                                     | 69.8        |

#### BA ENGLISH – MKUEN

Course Name: METHODOLOGY OF LITERATURE; Course Code:EN5B3

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 37447 | C011    | Learners familiarize with the critical tools used in the reading of literature. | 85          |
| 37450 | C012    | Able to develop a serious approach to literature.                               | 90          |
| 37454 | C013    | Enable the learners to have critical and theoretical reading of literature.     | 76.67       |
| 37458 | C014    | Able to familiarize with other media, popular literature and emerging trends.   | 93.33       |
| 37462 | C015    | Able to form an idea of the complex nature of literary studies.                 | 76.67       |

BA ENGLISH – MKUEN

Course Name: READING DRAMA; Course Code:EN3B1

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 38408 | C01     | Develop a taste for reading drama with theoretical basis.                              | 89.58       |
| 38424 | C02     | Familiarize with various kinds of theater and dramatic techniques.                     | 75          |
| 38431 | C03     | Compare and contrast themselves and others in different socio-cultural context.        | 87.5        |
| 38435 | C04     | Able to explore values, attitudes and behavior and creation of roles and relationship. | 95.83       |

BA ENGLISH – MKUEN

Course Name: READING FICTION; Course Code:EN3B2

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 38286 | C01     | Improve a critical understanding of fiction.  | 59.09       |
| 38308 | C02     | Make the students aware of cultural diversity of the world and to extend various perspectives of readings.      | 72.73       |
| 38322 | C03     | Enable students with a meaningful context for acquiring and memorizing new language and developing oral skills  | 95.45       |
| 38333 | C04     | Cultivate a sense of involvement which motivates and encourages students to learn through active participation. | 84.09       |
| 38346 | C05     | Learn the basics of conceptualization of novel.   | 95.45       |

BA ENGLISH – MKUEN

Course Name: READING POETRY; Course Code:EN1B1

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 37604 | C01     | Able to identify the basic elements of poetry, including the stylistic and rhetorical devices employed in poetry and to various genres of poetry. | 89.58       |
| 37623 | C02     | Able to critically analyze the poem from different perspective like gender, race, caste, ethnicity, religion, environment, nation, etc.           | 75          |
| 37626 | C03     | Able to analyze the various elements of poetry, such as diction, tone, form, genre, imagery, figures of speech, symbolism, theme, etc.            | 81.25       |
| 37632 | C04     | Able to recognize, rhythms, metrics and other musical aspects of poetry.  | 95.83       |

|       |     |  |    |
|-------|-----|--|----|
| 37638 | C05 | Able to develop a deeper appreciation of cultural diversity by introducing them to poetry from a variety of cultures throughout the world. | 75 |
|-------|-----|--|----|

BA ENGLISH – MKUEN

Course Name: SOCIAL AND CULTURAL HISTORY OF BRITAIN ANCIENT and MEDIVAL Course

Code:HIS1C03 HIS2C03

| COID  | CO Code | CO                       | Attainments |
|-------|---------|--------------------------|-------------|
| 46997 | C01     | Promote medieval history | 75          |

BA ENGLISH – MKUEN

Course Name: SOCIAL AND CULTURAL HISTORY OF BRITAIN REVOLUTION AND ERA OF COLONIALISM-VICTORIAN AND POST COLONIAL DEVELOPMENTS; Course Code:HIS3C03 HIS4C03

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 66581 | C01     | Deliberate the characteristics of THE VICTORIAN AGE: SOCIETY, CULTURE AND ACHIEVEMENTS | 97.5        |
| 66582 | C02     | Deliberate the characteristics of AGE OF SOCIALISM                                     | 91.25       |
| 66583 | C03     | Specify in depth BRITAIN AND THE WORLD   | 62.5        |
| 66584 | C04     | Specify the characteristics of The Beginning of Indian Writing in English              | 72.5        |
| 47000 | C02     | Describe new trend in medieval England   | 87.5        |
| 47003 | C03     | Explain England under Stuarts  | 55          |

BA ENGLISH – MKUEN

Course Name: WAYS WITH WORDS- LITERATURES IN ENGLISH; Course Code:EN6B2

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 37539 | C01     | Able to familiarize the canonical writings and emerging literature across the globe.                | 88.33       |
| 37543 | C02     | Able to explore the connection between literature and life and broaden their understanding of life. | 76.67       |
| 37545 | C03     | Able to improve their linguistic acumen and to to expose the most sublime expressions of language.  | 91.67       |
| 37548 | C04     | Able to identify the literary devices and distinguish between denotative and connotative meaning.   | 65          |
| 37557 | C05     | Able to classify the different genres of literature and can reflect upon it.                        | 95          |

B A HISTORY – MKUHS

Course Name: INFORMATICS AND HISTORY; Course Code:HIS3B03

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 54422 | C01     | Write down the classification and characteristics of internet and cope up with the changing world of technologies                                      | 85.23       |
| 54424 | C02     | Learn the classification and characteristics of wireless technology especially in the field of communication and different types of mobile generations | 88.64       |
| 54428 | C03     | Learn in details with application, if applicable, atm  | 97.73       |
| 54433 | C04     | Understand in depth devices  | 93.18       |

B A HISTORY – MKUHS

Course Name: HISTORY OF EARLY INDIA; Course Code:HIS3B04

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 39412 | C01     | Through the study of ancient history, students can appreciate and understand the feelings, beliefs, and insights of those who lived before us. | 85.33       |
| 39413 | C02     | To evaluate the process of the development life and culture of Humanity  | 78.67       |
| 39414 | C03     | To know and understand significant aspects of the history of the wider world; the nature of ancient civilizations                              | 93.33       |
| 39415 | C04     | To develop an understanding about the earth as the habitat of human kind and other forms of life   | 80          |

B A HISTORY – MKUHS

Course Name: History Of Medieval India; Course Code:HIS5B08

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 37029 | C01     | To make the students familiar with the aspects of society and culture of India from early medieval period to the period of Mughal rule | 95          |
| 40419 | C02     | To compare the contributions of Delhi Sultanate and Mughal empire  | 75          |
| 41726 | C03     | To analyze the economic conditions of Mughal and Delhi Sultanate Period  | 85          |
| 41727 | C04     | Understand in depth History of Medieval India  | 50          |
| 41758 | C05     | Write down the characteristics of History of Medieval India  | 85          |

B A HISTORY – MKUHS

Course Name: History Of Modern India; Course Code:HIS5B09

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 36863 | C01     | To realize the sacrifice of our ancestors in the struggle for Independence .   | 70.91       |
| 39435 | C02     | To develop an awareness to the necessity of the preservation of the democratic and secular values of the nation          | 76.36       |
| 39438 | C03     | To prepare the students to show respects of the symbols and values the country   | 72.73       |
| 39442 | C04     | To introduce the learner to the functioning and dynamics of social and political institutions and process of the country | 60          |

B A HISTORY – MKUHS

Course Name: History Of Modern World; Course Code:HIS5B10

|       |     |  |       |
|-------|-----|--|-------|
| 60821 | C01 | To analyze the rise of modern world.                               | 85.33 |
| 60823 | C02 | To understand in depth history of Reformation.                     | 96    |
| 60825 | C03 | To analyze the history of scientific developments of modern world. | 78.67 |
| 60827 | C04 | To acquire knowledge about 20 th century world.                    | 65.33 |

B A HISTORY – MKUHS

Course Name: History Of the Medieval World; Course Code:HIS4B05

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 36850 | C01     | Students will utilize the crucial vocabulary of political, social, intellectual, and economic history.  | 61.91       |
| 39418 | C02     | To understand the process of change and development of Europe in relation to the West Asian economy and society   | 56.19       |
| 39419 | C03     | Understand historical concepts such as continuity and change, cause and consequence, similarity, difference and significance, and use them to make connections, draw contrasts, analyse trends, frame historically-valid questions and create their own structured accounts | 74.29       |

B A HISTORY – MKUHS

Course Name: Kerala Society and Culture - Ancient and Medieval; Course Code:HIS5B07

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 44207 | C01     | Write down in depth Geographical Features.    | 76.36       |
| 44209 | C02     | Learn the details of Manipravalam Literature. | 86.06       |

B A HISTORY – MKUHS

Course Name: POLITICAL SCIENCE - AN INTRODUCTION - IDEAS AND CONCEPTS; Course Code:PSIC01  
PS2C02

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 56678 | C01     | Analyzing what is Politics and explaining the approaches to the Study of Political Science Normative, Behavioral and Post Behavioral. | 72.37       |
| 56679 | C02     | Assessing the theories of State   | 100         |
| 56681 | C03     | Explaining the Concept of State Sovereignty: Monistic and Pluralistic Theories.   | 73.68       |
| 56682 | C04     | Understanding basic concepts of Liberty, Equality, Rights, Law and Justice.   | 48.68       |
| 56685 | C05     | Explaining empirical Political Theory: System's Analysis, Structural Functionalism.   | 96.05       |

B A HISTORY – MKUHS

Course Name: POLITICAL SCIENCE -STRUCTURE AND PROCESS-POLITICAL IDEOLOGIES; Course Code:PS3C03 PS4C04

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 56688 | C01     | Learn in details with application, if applicable, Organs of Government | 96.88       |
| 56689 | C02     | Learn the details of Form of Government                                | 76.04       |

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B A HISTORY – MKUHS

Course Name: The Trends in Historiography; Course Code:HISIB01

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 39986 | C01     | To understand various historiographical methods   | 83.33       |
| 40005 | C02     | To enable the students how to write local history | 88.89       |
| 44200 | C03     | Deliberate the details of Gender History          | 97.22       |
| 44204 | C04     | Identify in details with Court Historiography     | 97.22       |

BBA – MESUCBBAS

Course Name: Accounting for Management; Course Code:BBVB07

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 38149 | C01     | Able to explain the role of management accounting in decision making.                                 | 62.5        |
| 38165 | C02     | Helps to analyze how management accounting contributes to financial reporting.                        | 95          |
| 38187 | C03     | Apply management accounting ideas and methods in making short term or on going decisions in business. | 82.5        |
| 38204 | C04     | Define and explain inventory management ideas and methods.  | 90          |
| 38225 | C05     | Use the ideas and practices of budgeting in a decision making context.                                | 75          |

BBA – MESUCBBAS

Course Name: Basic Numerical Skills; Course Code:BBIIA11

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 38355 | C01     | Basic knowledge on Theory of Equations               | 82.5        |
| 44106 | C02     | Awareness on steps in conducting Statistical inquiry | 80          |
| 44109 | C03     | Knowledge about methods of collecting data           | 82.5        |

BBA – MESUCBBAS

Course Name: Quantitative Techniques for Business Course Code:BBIIIC03

| COID  | CO Code | CO   | Attainmes |
|-------|---------|--|-----------|
| 38700 | C01     | UNDERSTANDING USE VARIOUS STATISTICAL TOOLS AND TECHNIQUES IN BUSINESS | 100       |

|       |     |  |      |
|-------|-----|--|------|
| 38707 | C02 | HELPS TO UNDERSTAND THE USE CORRELATION AND REGRESSION | 100  |
| 38710 | C03 | HELPS IN PREPARING RESEARCH PROJECTS                   | 87.5 |
| 38713 | C04 | UNDERSTANDING ANALYSIS OF VARIANCES                    | 64   |

BBA – MESUCBBAS

Course Name : Business Regulatory Framework; Course Code:BBIIIB03

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 37924 | C01     | Prepare qualified individuals for management, human resource, marketing and sales or administrative assistant level positions in a wide variety of business settings and organizations. | 100         |
| 37932 | C02     | Demonstrate recognition of intellectual property Identify how computer law affects business Analyze the nature and terminology of contract law  | 100         |
| 37978 | C03     | Students would be able to understand the Intellectual Property Rights and Consumer Protection Laws.   | 50          |
| 38002 | C04     | At the end of the course students would be able to understand the basic concepts and laws of business   | 100         |
| 38018 | C05     | Communicate effectively using standard business and legal terminology.  | 94.64       |

BCOM FINANCE – MKUBCM

Course Name: Accounting for Management; Course Code:BC5B07

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 61741 | C01     | To understand about the application of management accounting techniques in companies.            | 85.00       |
| 61742 | C02     | To analyse and study the financial statement of a company by using ratios and various statement. | 70.00       |
| 61743 | C03     | To understand and use of Fund flow statement and cash flow statement in different companies.     | 77.50       |
| 61744 | C04     | To know the use of responsibility accounting.  | 100.00      |

BBA – MESUCBBAS

Course Name: Human resource management; Course Code:BBIIIB04

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 38519 | C02     | Contribute to the development, implementation, and evaluation of employee recruitment, selection, and retention plans and processes. | 91.15       |
| 38532 | C03     | Develop, implement, and evaluate employee orientation, training, and development programs.   | 73.08       |
| 61745 | C05     | To get an insight into the application of breakeven analysis in different context.   | 95.00       |

|       |     |   |     |
|-------|-----|---|-----|
| 61744 | C04 | To know the use of responsibility accounting. | 100 |
|-------|-----|---|-----|

BCOM FINANCE - MKUBCM

Course Name: Basic Numerical Skills; Course Code:BC3A11

|       |     |   |       |
|-------|-----|---|-------|
| 38456 | C01 | able to analyze equations                                   | 85.71 |
| 38462 | C02 | Learn the concept of matrix                                 | 92.86 |
| 38472 | C03 | Apply the method of sets operations in real life            | 64.29 |
| 38489 | C04 | calculation of simple interest and compound interest        | 89.29 |
| 38510 | C05 | Apply basic principles of statistics in real life situation | 87.5  |

BCOM FINANCE - MKUBCM

Course Name: BUSINESS MANAGEMENT; Course Code:BC1B01

| C0ID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 37658 | C01     | Apply conceptual learning skills in today's business environment.   | 95.83       |
| 37686 | C02     | Analyze financial performance of an organization.   | 100         |
| 37702 | C03     | Evaluate organizational decisions with consideration of the political, legal and ethical aspects of business.   | 70.83       |
| 37706 | C04     | Assess strengths, weaknesses, opportunities and threats of the business environment.  | 77.08       |
| 37815 | C05     | prepare qualified individuals for management, human resource, marketing and sales or administrative assistant level positions in a wide variety of business settings and organizations. | 50          |

BCOM FINANCE - MKUBCM

Course Name: Business Research Methods; Course Code:BC5B08

| C0ID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 61904 | C01     | Awareness on Business Research Methods.                                | 61.36       |
| 61905 | C02     | Knowledge on how to solve Business problems through Research methods.  | 77.27       |
| 61906 | C03     | Knowledge on how to identify a Research Problem.                       | 72.73       |
| 61909 | C04     | Knowledge on Research process.   | 77.27       |
| 61910 | C05     | Knowledge on various data collection methods and presentation of data. | 84.09       |

BCOM FINANCE - MKUBCM

Course Name: Financial Management; Course Code:BC5B11

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 66557 | C01     | Learn the details of SCOPE AND OBJECTIVE OF FINANCIAL MANAGEMENT | 100         |
| 66558 | C02     | Write down the characteristics of INVESTMENT DECISION            | 91.67       |
| 66559 | C03     | Understand the details of FINANCING DECISION                     | 81.25       |
| 66561 | C04     | Understand the details of WORKING CAPITAL MANAGEMENT             | 75          |

BCOM FINANCE - MKUBCM

Course Name: Financial Reporting; Course Code:BC5B10

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 38495 | C01     | Read, understand, interpret and analyze general purpose financial reports.  | 87.5        |
| 38504 | C02     | Understand differing accounting policies and their impact on financial statements.                                      | 87.5        |
| 38514 | C03     | Comprehend the theory and practices of corporate financial reporting.   | 70          |
| 38525 | C04     | Use financial reporting theory and practices to analyze the performance of a company.                                   | 50          |
| 38535 | C05     | Explain the reasoning behind the rules underpinning corporate financial reporting and the history of their development. | 80          |

BCOM FINANCE – MKUBCM

Course Name: Human Resource Management; Course Code:BC5B09

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 38284 | C01     | Contribute to the development, implementation, and evaluation of employee recruitment, selection, and retention plans and processes. | 77.78       |
| 38290 | C02     | Administer and contribute to the design and evaluation of the performance management program.  | 100         |
| 38295 | C03     | Develop, implement, and evaluate employee orientation, training, and development programs.   | 58.33       |
| 38310 | C04     | Facilitate and support effective employee and labour relations in both non-union and union environments.                             | 80.56       |
| 38320 | C05     | Research and support the development and communication of the organization's total compensation plan.                                | 72.22       |

**B.COM (COMPUTER-APPLICATION) – MESUCCAS**

Course Name: Accounting for Management; Course Code:BC5B07

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 43232 | C01     | Learn in depth Meaning of accounting for management.                    | 100         |
| 43233 | C02     | Identify in details with examples Meaning of accounting for management. | 77.27       |
| 43235 | C03     | Specify the characteristics of Ratio analysis.                          | 61.36       |
| 43240 | C04     | Learn in depth Accounting ratios.                                       | 95.45       |

**BCOM COMPUTER APPLICATION - MESUCCAS**

Course Name: Basic Numerical Skills: Course Code:BC3A11

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 42139 | C01     | Deliberate in details with examples progression.                     | 82.89       |
| 42140 | C02     | Specify in details with examples arithmetic progression.             | 82.89       |
| 42141 | C03     | Understand the details of geometric progression.                     | 82.89       |
| 42142 | C04     | Learn in details with application, if applicable, matrix.            | 77.63       |
| 42143 | C05     | Deliberate in details with application, if applicable, determinants. | 94.74       |

**BCOM COMPUTER APPLICATION – MESUCCAS**

Course Name: Business Information System; Course Code:BC5B11

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 41409 | C01     | Deliberate the characteristics of data base management system. | 100         |
| 41410 | C02     | Deliberate the details of data base management system.         | 87.18       |
| 41415 | C03     | Learn in details with examples computer software.              | 90.38       |
| 41420 | C04     | Specify the details of enterprise resource planning.           | 86.15       |
| 41421 | C05     | Learn the details of enterprise resource planning.             | 84.62       |

BCOM COMPUTER APPLICATION – MESUCCAS

Course Name: Business management; Course Code:BC1B01

| C0ID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 40202 | C01     | Understand in details with application, if applicable, concept of management. | 100         |
| 40205 | C02     | Know the classification and characteristics of functions of management.       | 88.64       |
| 40211 | C03     | Know in details with examples decision making.                                | 81.82       |
| 40221 | C04     | Identify the classification and characteristics of departmentation.           | 70.91       |
| 40223 | C05     | Know the details of motivation.   | 90.91       |

BCOM COMPUTER APPLICATION – MESUCCAS

Course Name: Business Regulations: Course Code:BC3B03

| C0ID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 42164 | C01     | Learn in details with examples Indian business law                  | 85.71       |
| 42167 | C02     | Write down the details of CONTRACT                                  | 92.86       |
| 42168 | C03     | Learn in details with application, if applicable, TYPES OF CONTRACT | 94.64       |
| 42171 | C04     | Learn in details with examples CONTRACT OF SALE                     | 82.86       |
| 42172 | C05     | Deliberate the characteristics of consumer protection act           | 95.71       |

BCOM COMPUTER APPLICATION – MESUCCAS

Course Name: Business Research Methods; Course Code:BC5B08

| C0ID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 43786 | C01     | Understand in details with application, if applicable, introduction to business research. | 89.29       |
| 43791 | C02     | Write down in details with examples research design.                                      | 76.79       |
| 43792 | C03     | Write down in depth data collection and instrument design.                                | 78.57       |
| 43793 | C04     | Write down in details with examples sampling design.                                      | 62.5        |
| 43795 | C05     | Deliberate the classification and characteristics of measurement and scaling.             | 83.93       |

BCOM COMPUTER APPLICATION – MESUCCAS

Course Name: Human Resource Management: Course Code:BC5B09

| C0ID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 40275 | C01     | Learn the classification and characteristics of Human resource management. | 100         |
| 40280 | C02     | Learn the classification and characteristics of human resource planning.   | 100         |
| 40289 | C03     | Know the details of placement.   | 50.77       |

|       |     |   |     |
|-------|-----|---|-----|
| 40292 | C04 | Write down in details with application, if applicable, training.            | 100 |
| 40295 | C05 | Understand the classification and characteristics of performance appraisal. | 60  |

#### BCOM COMPUTER APPLICATION – MESUCCAS

Course Name: Managerial Economics; Course Code:BC1C01

| C0ID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 41313 | C01     | Specify the details of introduction of Economics  | 120         |
| 41336 | C02     | Deliberate the details of introduction to managerial economics  | 72.5        |
| 43209 | C03     | Understand the details of demand forecasting  | 113.33      |
| 43221 | C04     | Identify the classification and characteristics of price determination under perfect competition          | 36          |
| 43224 | C05     | Write down in details with application, if applicable, price determination under monopolistic competition | 54          |

#### B.COM (CO-OPERATION) - MESUCCOPS

Course Name: Accounting For Management; Course Code:BC5B07

| C0ID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 43862 | C01     | Identify in details with application, if applicable, Meaning of accounting for management. | 65.63       |
| 43867 | C02     | Identify the characteristics of Ratio analysis.  | 77.08       |
| 43887 | C03     | Learn in details with examples Accounting ratios.  | 93.75       |
| 43891 | C04     | Understand the details of Funds flow statements.   | 95.83       |

#### B.COM (CO-OPERATION) - MESUCCOPS

Course Name: Basic Numerical Skills; Course Code:BC3A11

| C0ID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 67325 | C01     | Identify the characteristics of basic numerical skills                      | 68          |
| 67328 | C02     | Deliberate the classification and characteristics of basic numerical skills | 75          |
| 67329 | C03     | Identify the details of basic numerical skills                              | 91          |
| 67330 | C04     | Write down the details of basic numerical skills                            | 94          |
| 67332 | C05     | Understand in details with examples basic numerical skills                  | 96          |

**B.COM (CO-OPERATION) - MESUCCOPS**

**Course Name: Business Management; Course Code:BC1B01**

| C0ID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 43336 | C01     | Learn in details with examples Management - An Introduction.   | 79.01       |
| 43339 | C02     | Deliberate the details of Functions of Management - Planning and Organizing.                         | 97.53       |
| 43347 | C03     | Learn the details of Functions of Management - Directing: Supervision.                               | 93.52       |
| 43351 | C04     | Understand in depth Functions of Management -Motivation and Leadership.                              | 82.96       |
| 43362 | C05     | Learn the characteristics of Functions of Management - Communication, Controlling and Co-ordination. | 95.56       |

**B.COM (CO-OPERATION) - MESUCCOPS**

**Course Name: Business Regulations; Course Code:BC3B03**

| C0ID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 42145 | C01     | Understand in depth CONTRACT  | 90.2        |
| 42147 | C02     | Understand the characteristics of BUSINESS LAW                        | 94.12       |
| 42148 | C03     | Deliberate the classification and characteristics of CONTRACT OF SALE | 83.82       |
| 42150 | C04     | Write down the characteristics of ESSENTIALS OF CONTRACT              | 91.76       |
| 42153 | C05     | Specify in depth special contracts                                    | 98.82       |

**B.COM (CO-OPERATION) - MESUCCOPS**

**Course Name: Co-operative Theory and Practice; Course Code:BC5B10**

| C0ID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 67352 | C01     | Learn in depth what is ICA?   | 81.82       |
| 67353 | C02     | Understand the characteristics of what is Co- operative principles?     | 86.36       |
| 67354 | C03     | Write down the details of What is PACS?                                 | 84.09       |
| 67355 | C04     | Learn in details with examples what are the functions of NABARD?        | 68.18       |
| 67356 | C05     | Identify the characteristics of what is the Objectives of Consumer fed? | 70.45       |

**B.COM (CO-OPERATION) - MESUCCOPS**

**Course Name: General Informatics; Course Code:BC3A12**

| C0ID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 43259 | C01     | Deliberate in depth introduction to computers                                       | 100         |
| 43269 | C02     | Specify in details with application, if applicable, computers and operating systems | 97.92       |
| 43273 | C03     | Specify the characteristics of basic information technology                         | 89.06       |

|       |     |   |      |
|-------|-----|---|------|
| 43279 | C04 | Identify the details of knowledge skills for higher education                   | 75   |
| 43350 | C05 | Learn the classification and characteristics of data, INFORMATION AND KNOWLEDGE | 87.5 |

**B.COM (CO-OPERATION) - MESUCCOPS**

Course Name: Human Resource Management; Course Code:BC5B09

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 66342 | C01     | Learn in depth Introduction to human resources management.                    | 97.44       |
| 66343 | C02     | Understand the details of Human resources planning.                           | 97.44       |
| 66344 | C03     | Identify the details of Strategic human resources management.                 | 90.38       |
| 66345 | C04     | Write down the classification and characteristics of Characteristics of SHRM. | 76.92       |
| 66346 | C05     | Specify in details with application, if applicable, Recruitment.              | 76.92       |

**B.COM (CO-OPERATION) - MESUCCOPS**

Course Name: Managerial Economics; Course Code:BC1C01

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 41314 | C01     | Deliberate the characteristics of introduction of Economics.   | 69.7        |
| 41315 | C02     | Identify the characteristics of Indian economy and problems.   | 75.76       |
| 41316 | C03     | Specify in depth market structure.   | 88.64       |
| 41317 | C04     | Learn the classification and characteristics of monopoly, monopolistic, perfect and logo politic market. | 96.36       |
| 41318 | C05     | Specify the characteristics of consumer behavior.  | 100         |

**B Sc BOTANY – MKUBO**

Course Name: ANGIOSPERM MORPHOLOGY and PLANT SYSTEMATICS;Course Code:BOT5B06T

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 42296 | C01     | Identify in details with application, if applicable, morphological description of a plant | 65          |
| 42297 | C02     | Write down in details with application, if applicable, inflorescence                      | 65          |
| 42298 | C03     | Specify in details with examples flower   | 75          |
| 42299 | C04     | Identify the characteristics of fruits  | 68.75       |
| 42300 | C05     | Write down the details of components of systematic  | 106.25      |

**B Sc BOTANY – MKUBO**

Course Name: Animal Diversity; Course Code:Z01C01

| COID | CO Code | CO | Attainments |
|------|---------|----|-------------|
|------|---------|----|-------------|

|       |     |   |      |
|-------|-----|---|------|
| 60185 | C01 | Students develop skill to Classify Living organisms and identify Animals up to class level.   | 97.5 |
| 60186 | C02 | Get familiarized with binomial names of animals of various Phylum under kingdom Animalia. Understands features of different organisms like living fossils, connecting links etc. which play a major role in the scientific knowledge of Evolution | 77   |
| 60187 | C03 | Develops awareness about Ecosystem services and the need for protection   | 82.5 |
| 60188 | C04 | Get familiarized with different IUCN strategies for conservation of wildlife  | 86   |

#### B Sc BOTANY – MKUBO

Course Name: EMBROLOGY,PALYNOLOGY,ECONOMIC BOTANY, ETHNOBOTANY and HORTICULTURE; Course Code:BOT5B07T

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 61417 | C01     | Learn in depth Anther   | 86          |
| 61424 | C02     | Learn the characteristics of types of embryo sac                      | 80          |
| 61428 | C03     | Learn in details with application, if applicable, Types of irrigation | 86          |
| 61435 | C04     | Learn in depth Vegetative propagation                                 | 100         |
| 61441 | C05     | Identify the details of ETHNOBOTANY                                   | 90          |

#### B Sc BOTANY – MKUBO

Course Name: GENERAL BIOINFORMATICS, INTRODUCTORY BIOTECHNOLOGY and MOLECULAR BIOLOGY; Course Code:BOT5B08T

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 41531 | C01     | Specify the characteristics of BIOINFORMATICS                               | 95          |
| 41537 | C02     | Identify the characteristics of genomics                                    | 85          |
| 41543 | C03     | Write down in details with application, if applicable, BIOLOGICAL DATABASES | 95.83       |
| 41546 | C04     | Write down the details of SEQUENCE ALIGNMENT                                | 89.58       |
| 42017 | C05     | Deliberate in depth protein structure prediction                            | 64.58       |

#### B Sc BOTANY – MKUBO

Course Name: GENERAL CHEMISTRY; Course Code:CHE1C01

| COID | CO Code | CO | Attainments |
|------|---------|----|-------------|
|------|---------|----|-------------|

|       |     |  |      |
|-------|-----|--|------|
| 38767 | C01 | Explain the periodic properties of elements, mole concept and define the different terms used for expressing concentration of solutions. | 95   |
| 38768 | C02 | Give the theory behind the qualitative and quantitative analysis conducted in the laboratory.  | 82.5 |
| 38769 | C03 | Write down the electronic configuration of elements applying Hunds rule, Aufbau Principle and Pauli's exclusion principle.               | 82.5 |
| 38770 | C04 | Apply VSEPR theory in predicting the shape and bond angles to the molecules.   | 52.5 |
| 38771 | C05 | Explain the different types of hybridisation using suitable examples.  | 77.5 |

B Sc BOTANY – MKUBO

Course Name: GYMNOSPERMS, PALAEOBOTANY, PHYTOGEOGRAPHY and EVOLUTION; Course Code:BOT5B05T

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 42483 | C01     | Illustrate Distribution, morphology, anatomy, reproduction and lifecycle of CYCAS          | 65.83       |
| 42484 | C02     | Write down in depth Distribution, morphology, anatomy, reproduction and lifecycle of PINUS | 91.67       |
| 42486 | C03     | Learn in depth Evolutionary trends in gymnosperms  | 100         |
| 42487 | C04     | Deliberate in depth Economic importance of gymnosperms                                     | 87.5        |
| 42488 | C05     | Deliberate the details of Geological time scale  | 66.67       |

B Sc BOTANY – MKUBO

Course Name: MICROBIOLOGY ,MYCOLOGY,LICHENOLOGY and PLANT PATHOLOGY; Course Code:BOT3B03T

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 41569 | C01     | Learn in depth FUNGI  | 86.66       |
| 41571 | C02     | Understand the classification and characteristics of MASTIGOMYCOTINA    | 86.67       |
| 41576 | C03     | Deliberate the characteristics of BASIDIOMYCOTINA                       | 94.44       |
| 41577 | C04     | Deliberate in details with application, if applicable, DEAUTEROMYCOTINA | 77.78       |

B Sc BOTANY – MKUBO

Course Name: OPEN COURSE-CHOICE II APPLIED BOTANY; Course Code:

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 42313 | C01     | Understand the characteristics of vegetable gardening                     | 98.18       |
| 42314 | C02     | Deliberate in depth mushroom cultivation                                  | 100         |
| 42315 | C03     | Learn in depth vermin composting technique                                | 86.36       |
| 42316 | C04     | Identify the details of biofertilizer technology                          | 72.73       |
| 42317 | C05     | Deliberate in details with application, if applicable, orchid cultivation | 100         |

B SC CHEMISTRY - MKUCH

Course Name: INORGANIC CHEMISTRY III:Course Code:CHE6B10

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 37980 | C01     | Analytical chemistry gives a good perspective of the theories underlying the elimination of interfering radicals in the qualitative mixture analysis. | 70.45       |
| 37999 | C02     | Develop accuracy and precision in doing experiments, understands the different errors and methods for minimizing errors.                              | 86.36       |
| 38013 | C03     | Introduction of micro scale analysis methods in organic and inorganic analysis and their advantages.  | 86.36       |
| 38034 | C04     | Develop skills to understand the periodic properties of elements in each group in the periodic table.   | 89.39       |
| 38049 | C05     | Helps to explain the water quality parameters and their determination.  | 80.3        |

B SC CHEMISTRY - MKUCH

Course Name: PHYSICAL CHEMISTRY I; Course Code:CHE3BO3

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 37670 | C01     | Explain the postulates of kinetic theory of gases and derive the kinetic gas equation   | 83.93       |
| 38047 | C02     | Describe Maxwell's distribution of molecular velocities   | 55.36       |
| 38073 | C03     | Discuss the deviation of real gases from ideal behaviour, derive van der Waals' equation of state, and explain its significance | 75          |

|       |     |  |       |
|-------|-----|--|-------|
| 38095 | C04 | Explain critical phenomena and determination of critical constants | 69.64 |
| 38110 | C05 | Introduce general properties of liquid state                       | 50    |

B SC CHEMISTRY - MKUCH

Course Name: PHYSICAL CHEMISTRY II; Course Code: CHE5B08

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 66339 | C01     | Write down in details with application, if applicable, the energy levels in molecules       | 75.22       |
| 66352 | C02     | Deliberate the details of the expression for rotational energy of a rigid diatomic molecule | 76.47       |
| 66481 | C03     | Learn in depth principle of NMR spectroscopy  | 67.16       |
| 66482 | C04     | Identify in details with examples hyperfine splitting                                       | 82.5        |
| 66483 | C05     | Identify in details with examples applications of electronic spectroscopy                   | 95          |

B SC CHEMISTRY - MKUCH

Course Name: THEORETICAL AND INORGANIC CHEMISTRY I; Course Code: CHE1B01

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 66328 | C01     | Identify in depth Difference between science and pseudo science  | 89.29       |
| 66351 | C02     | Identify the details of design a research programme and explain the components of a research project.      | 96.43       |
| 66478 | C03     | Specify in details with application, if applicable, nuclear stability, nuclear forces , fission and fusion | 84.29       |
| 66479 | C04     | Deliberate the details of laboratory hygiene and safety measures   | 68.57       |
| 66480 | C05     | Understand in depth radioactive decay , radiocarbon dating   | 75.71       |

B Sc COMPUTER SCIENCE - MKUSCCSS

Course Name: Complementary -Mathematics III; Course Code: MAT3CO3

| COID | CO Code | CO | Attainments |
|------|---------|----|-------------|
|------|---------|----|-------------|

|       |     |   |      |
|-------|-----|---|------|
| 41231 | C01 | Deliberate the characteristics of Linear differential equations                 | 100  |
| 41232 | C02 | Understand the classification and characteristics of bernoulli equation         | 65   |
| 41233 | C03 | Specify in depth orthogonal trajectories  | 75   |
| 41234 | C04 | Write down in depth rank of a matrix  | 72.5 |
| 41235 | C05 | Deliberate the classification and characteristics of elementary transformations | 65   |

B Sc COMPUTER SCIENCE - MKUSCCSS

Course Name: Complimentary -Mathematics I; Course Code:MAT1C01

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 41211 | C01     | Identify in details with examples Limits and Continuity                         | 77.5        |
| 41212 | C02     | Deliberate in depth Derivatives   | 80          |
| 41213 | C03     | Understand the classification and characteristics of Application of derivatives | 82.5        |
| 41214 | C04     | Learn the classification and characteristics of Mean value theorem              | 90          |
| 41215 | C05     | Understand the characteristics of Asymptotes                                    | 80          |

B Sc COMPUTER SCIENCE - MKUSCCSS

Course Name: Computer Organization and Architecture; Course Code:BCS5B08

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 40572 | C01     | Understand the impact of instruction set architecture on cost-performance of computer design. | 83.33       |
| 40573 | C02     | Design a pipeline for consistent execution of instructions with minimum hazards.              | 97.22       |
| 40574 | C03     | Use tools for modeling various microprocessor design alternatives.                            | 75          |
| 40575 | C04     | Understand the design process of a computer and critical elements in each step.               | 94.44       |
| 40576 | C05     | Understand the merits and pitfalls in computer performance measurements.                      | 86.11       |

B Sc COMPUTER SCIENCE – MKUSCCSS

Course Name: Data structures using C:Course Code:BCS2BO2

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 41442 | C01     | Understand in details with examples array                        | 100         |
| 41445 | C02     | Identify in details with examples datatype                       | 93.75       |
| 41453 | C03     | Deliberate in depth graph  | 95.83       |
| 41455 | C04     | Specify in details with application, if applicable, binary tree  | 77.08       |
| 41457 | C05     | Understand the classification and characteristics of linked list | 75          |

B Sc COMPUTER SCIENCE – MKUSCCSS

Course Name: General Informatics; Course Code:BCS3A12

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 41643 | C01     | Deliberate the classification and characteristics of computer | 90          |
| 41645 | C02     | Deliberate in details with examples application software      | 95          |
| 41648 | C03     | Learn in depth internet in health care system software        | 90          |
| 41649 | C04     | Deliberate in depth SMS and MMS                               | 87.5        |
| 41651 | C05     | Understand in details with examples cloud computing           | 85          |

B Sc COMPUTER SCIENCE – MKUSCCSS

Course Name: Principles of Software Engineering; Course Code:BCS5B11

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 41498 | C01     | Understand in details with examples software maintenance | 84.17       |
| 41500 | C02     | Deliberate in depth Cohesion                             | 80          |
| 41504 | C03     | Deliberate in depth SRS                                  | 82.5        |

B SC FOOD TECHNOLOGY - MKUFTS

Course Name: Food Microbiology II; Course Code:FT2B03

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| COID  | CO Code | CO  | Attainments |
| 42413 | C01     | Describe about culture media                    | 106.06      |
| 42414 | C02     | Demonstrating pure culture method               | 103.03      |
| 42416 | C03     | Identify ways to control microorganism in food. | 100         |
| 42417 | C04     | Describe the growth factors of microorganism.   | 52.73       |
| 42419 | C05     | Identify and describe the spoilage of food.     | 72.73       |

B SC FOOD TECHNOLOGY – MKUFTS

Course Name: General informatics; Course Code:FT3A12

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 66585 | C01     | Write down the classification and characteristics of COMPUTERS AND OPERATING SYSTEM | 80          |
| 66586 | C02     | Write down the classification and characteristics of BASICS OF IT: INFORMATION      | 85          |
| 66588 | C03     | Deliberate in details with application, if applicable, SOCIAL INFORMATICS           | 72.5        |
| 66589 | C04     | Specify the characteristics of PROGRAMS FOR OFFICE MANAGEMENT                       | 93.75       |

**B SC FOOD TECHNOLOGY - MKUFTS**

Course Name:Malayalabashayam sahithyamum 1;Course Code:MAL1A01

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 41778 | C01     | Able to understand and the use the Malayalam language effectively.  | 100         |
| 41779 | C02     | Pragmatic information of correspondence and viable written through the investigation of Malayalam poetry. | 70.45       |
| 41780 | C03     | To enable the students recite the poem will proper rhythm and to develop power of imagination.            | 61.36       |
| 41781 | C04     | Specify the details of BIOGRAPHY& AUTO BIOGRAPHY.   | 84.09       |
| 41782 | C05     | Get the details of Translation,Communication,Creativity learning in students.                             | 50          |

**B SC FOOD TECHNOLOGY - MKUFTS**

Course Name:Optics,Laser,Electronics and Communication; Course Code:PH3C03

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 41641 | C01     | Derive laws of reflection & refraction.                                 | 104.55      |
| 41647 | C02     | Analyse the difference between constructive & destructive interference. | 100         |
| 43292 | C03     | Understand about Franhauffer diffraction.                               | 93.18       |
| 43314 | C04     | Difference between elliptically & circularly polarised light.           | 90.91       |

**B SC FOOD TECHNOLOGY - MKUFTS**

Course Name: Perspectives of food science and technology Course Code:FT1B01

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 40577 | C01     | Describe the chemical and physical properties of major foods.  | 80          |
| 40580 | C02     | Discuss how the chemical and structural composition of food components react with complex sensory organs of human. | 70          |

|       |     |   |       |
|-------|-----|---|-------|
| 40583 | C03 | Describe the functional foods and their nutrition in our diet.  | 63.33 |
| 40585 | C04 | Describe the introduction to food science and explain major nutrient and functions of food and gives the idea about the nutrients . | 81.67 |

#### B SC FOOD TECHNOLOGY – MKUFTS

Course Name: Properties of matter, thermodynamics; Course Code:PH1C01

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 41602 | C01     | Understand the basic concept of heat & temperature.     | 85.71       |
| 41604 | C02     | Understand about work done per unit volume.             | 95.53       |
| 41606 | C03     | Analyze the relation between various elastic constants. | 82.14       |
| 41607 | C04     | Determine the rigidity modulus of a wire.               | 51.79       |

#### B SC FOOD TECHNOLOGY – MKUFTS

Course Name: Spices and plantation products; Course Code:FT5B14

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 42433 | C01     | Describe the definition, classification, composition of spices    | 96.67       |
| 42434 | C02     | Major spices and what are they and their refining                 | 93.33       |
| 42435 | C03     | Describe the processing of turmeric, ginger. Chilies and cardamom | 100         |
| 42436 | C04     | Explain about spice oil and oleoresin                             | 74          |
| 42437 | C05     | Describe the chemical composition of Tea                          | 80          |

#### B SC FOOD TECHNOLOGY – MKUFTS

Course Name: Technology of animal foods; Course Code:FT5B11

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 40604 | C01     | Knowing the characteristics of different feeds and their components and how to evaluate their nutritional value.   | 82.5        |
| 40605 | C02     | Using the methodology deployed in the evaluation of quality and safety standards in foods and compound feeds and animal origin products.   | 92.5        |
| 40606 | C03     | Determining optimum feeding, from a technical and economic point of view for a certain livestock species in given production conditions.   | 100         |
| 40607 | C04     | Understanding the relationships between animal nutrition , the environment and animal health and welfare.  | 62.5        |
| 40608 | C05     | Developing feeding strategies with a favourable influence on end product quality and animal health and welfare, minimising environmental impacts ensuring the sustainability of productions. | 50          |

B SC FOOD TECHNOLOGY – MKUFTS

Course Name: Technology of Food Preservation; Course Code:FT3B05

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 40794 | C01     | It implies the high temperature preservation technique. | 90          |
| 40798 | C02     | Develop more ideas regarding drying the food            | 82.5        |
| 40808 | C03     | It comprises of irradiation techniques used ion foods.  | 100         |
| 40811 | C04     | Know more about fermentation.                           | 70          |
| 40818 | C05     | Conclude on the topic chemical preservation in foods.   | 72.5        |

BSC MATHEMATICS - MKPMT

Course Name: ABSTRACT ALGEBRA; Course Code;MAT5B06

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 43594 | C01     | Binary structure & Definition of group    | 89.58       |
| 43595 | C02     | Properties of subgroups and cyclic groups | 79.17       |
| 43596 | C03     | Permutation groups & orbits               | 68.75       |
| 43597 | C04     | Definition of rings and its properties    | 65.63       |
| 43598 | C05     | Definition of fields and its properties   | 71.88       |

BSC MATHEMATICS - MKPMT

Course Name: CALCULUS AND ANALYTIC GEOMETRY; Course Code:MAT3B03

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 40736 | C01     | Define natural logarithm, exponential function, hyperbolic functions                       | 98.33       |
| 40740 | C02     | Understand L'Hospital's rule.  | 71.67       |
| 40742 | C03     | Understand the basic ideas of sequence and series  | 75          |
| 40746 | C04     | Check the convergence of sequence and series using ratio test, comparison test, root test. | 60          |
| 40748 | C05     | Understand Taylor and Maclaurin series, and its convergence                                | 75          |

BSC MATHEMATICS - MKPMT

Course Name: CALCULUS AND ANALYTIC GEOMETRY; Course Code:MAT3B03

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 40736 | C01     | Define natural logarithm, exponential function, hyperbolic functions                       | 98.33       |
| 40740 | C02     | Understand L'Hospital's rule.  | 71.67       |
| 40742 | C03     | Understand the basic ideas of sequence and series  | 75          |
| 40746 | C04     | Check the convergence of sequence and series using ratio test, comparison test, root test. | 60          |
| 40748 | C05     | Understand Taylor and Maclaurin series, and its convergence                                | 75          |

#### BSC MATHEMATICS - MKPMT

Course Name: FOUNDATIONS OF MATHEMATICS; Course Code:MAT1B01

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 40886 | C01     | Understand the ideas of Sets and Functions   | 85          |
| 40887 | C02     | Explain Limits and Continuity  | 87.5        |
| 40889 | C03     | Draw Graphs and shifting graphs and understand the theory behind them  | 87.5        |
| 40892 | C04     | Understand the basic concept of propositions   | 80          |
| 40900 | C05     | Explain converse, inverse and contrapositive of propositions, truth tables, predicates, quantifiers and logical equivalence of propositions. | 70          |

#### BSC MATHEMATICS - MKPMT

Course Name: OPTICS, LASER, ELECTRONICS AND COMMUNICATION; Course Code:PH3C03

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 43333 | C01     | Identify in details with application, if applicable, Fermat's Principle | 80          |
| 43338 | C02     | Understand in depth Diffraction and Interference of light.              | 92.5        |
| 43343 | C03     | Specify in details with examples Polarization                           | 85          |
| 43344 | C04     | Understand the basics of electronics.                                   | 97.5        |
| 43346 | C05     | Understand in depth Laser physics                                       | 85          |

#### BSC MATHEMATICS - MKPMT

Course Name: VECTOR CALCULUS; Course Code:MAT5B05

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 40764 | C01     | Deal with vector valued functions of several variables | 76.25       |

|       |     |  |       |
|-------|-----|--|-------|
| 40769 | CO2 | Understand the concepts of partial derivatives, linearization and differentials                | 75    |
| 40777 | CO3 | Define directional derivatives, gradient vectors and tangent planes                            | 62.5  |
| 40782 | CO4 | Explain the concepts of finding area and volume using double and triple integrals respectively | 81.25 |
| 40884 | CO5 | Define line integrals, vector field, work, flux, flow and circulation .                        | 50    |

#### BSC PHYSICS - MKUPH

Course Name: Computer science-Computer Fundamentals(2017);Course Code:CSC1C01

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 40707 | C01     | Learn the basics of binary number system, hexadecimal number system and octal number system and ASCII ,BCD and EBCDIC and identify basics of information representation in digital circuits using binary codes. | 68.6        |
| 40893 | C02     | Identify Boolean functions and canonical forms of Boolean functions and Apply theory of logic gates to design adder circuits.   | 68.4        |
| 40953 | C03     | Identify internal structure and working of processor and understand the concept speed and capacity of processor and Distinguish different types of processors   | 57.2        |
| 40960 | C04     | Identify the importance of commonly used Input and Output devices and their working principle   | 67.8        |
| 40965 | C05     | Learn in depth importance of planning the logic and flow of program before implementation and Understand Algorithm and Flowchart as tools for program planning  | 69.4        |

#### BSC PHYSICS- MKUPH

Course Name:;Course Code: Electrodynamics - II;Course Code:PH5B06

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 41874 | C01     | Describe Faraday's law of electromagnetic induction, Maxwell's equations and its modification.   | 79.17       |
| 41875 | C02     | Explain Maxwell's equations inside matter and boundary conditions.   | 83.33       |
| 41876 | C03     | Describe the propagation of electromagnetic waves in vacuum, energy and momentum of E.M Waves, reflection and transmission at normal incidence | 95.83       |

|       |     |  |       |
|-------|-----|--|-------|
| 41880 | C04 | Learn much about growth and decay of current in various L,C,R circuits.  | 79.17 |
| 41883 | C05 | Understand the voltage and current relation in various AC circuits(L,C,R,LC,CR,LR and LCR), j operator application in ac circuits, study of ac bridges | 58.33 |

#### BSC PHYSICS- MKUPH

Course Name: Electronics(Analogue and Digital);Course Code:PH5B09

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 37876 | C01     | Distinguish between various transistor biasing techniques, transistor circuit configurations (CB,CE, CC).                       | 42.05       |
| 37911 | C02     | Explain different transistor amplifier, feedback and oscillator circuits, their working and applications.                       | 42.05       |
| 37938 | C03     | Explain the theory behind amplitude modulation, frequency modulation, pulse code modulation and demodulation.                   | 49.29       |
| 37977 | C04     | Describe logic gates, apply Boolean algebra to simplify digital electronics circuits and to design adder and flipflop circuits. | 55.06       |

#### BSC PHYSICS- MKUPH

Course Name:Mathematics-I;Course Code:MAT1C01

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 67382 | C01     | Identify in details with application, if applicable, Elasticity     | 77.08       |
| 67383 | C02     | Understand in details with examples Surface Tension & viscosity     | 60.42       |
| 67384 | C03     | Specify in details with examples statistics                         | 75          |
| 67385 | C04     | Learn the characteristics of trigonometry                           | 100         |
| 67386 | C05     | Specify in details with application, if applicable, differentiation | 75          |

#### BSC PHYSICS- MKUPH

Course Name:Mechanics;Course Code:PH3B03

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 51885 | C01     | Understand the details of Laws of Mechanics                          | 95          |
| 51886 | C02     | Learn the classification and characteristics of Frames of reference. | 87.5        |
| 51888 | C03     | Write down the details of Foucault's pendulum.                       | 100         |
| 51889 | C04     | Understand in depth Conservation laws                                | 72.5        |
| 51890 | C05     | Specify the details of Potential energy curve                        | 70          |

#### BSC PHYSICS- MKUPH

Course Name: Methodology Of Science and Physics;PH1B01

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 42710 | C01     | Distinguish between scientific and non-scientific statements, law and theory, inductive, deductive, hypothetic-deductive method.. | 87.93       |
| 42712 | C02     | Explain revolution in science and technology, different steps involved in scientific method.                                      | 80.17       |
| 42723 | C03     | Apply different vector and matrix analysis techniques to solve problems.  | 89.44       |
| 66331 | C04     | Learn in details with examples different types of knowledge, scientific temper, and empiricism.                                   | 82.33       |

BSC PHYSICS- MKUPH

Course Name: Physical Optics and Modern Optics; Course Code:PH5B08

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 37585 | C01     | Develop an understanding of Fermat's principle in optics.   | 81.82       |
| 37591 | C02     | Build connections between mathematical development and conceptual understanding of matrix methods in optics . | 93.18       |
| 37613 | C03     | Understanding of optical phenomena based on the wave description of light.                                    | 88.64       |
| 37639 | C04     | Describe the operation of optical devices.  | 97.73       |
| 37666 | C05     | Learn the classification and characteristics of Polarization.   | 75          |

BSC PHYSICS- MKUPH

Course Name: Quantum Mechanics; Course Code:PH5B07

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 37643 | C01     | Are Familiar with the main aspects of the historical development of quantum mechanics.   | 88.33       |
| 37673 | C02     | Are Able to discuss and interpret experiments that reveal the wave properties of matter.   | 67.86       |
| 37689 | C03     | Able to understand the central concepts and principles in quantum mechanics, such as the Schrödinger equation, the wave function and its statistical interpretation. | 80          |
| 37787 | C04     | Can account for the phenomena involved in the Zeeman effect and spin-orbit coupling  | 90          |
| 37800 | C05     | Can compute the energy eigenlevels and evolution of a particle in a box  | 92.86       |

BA Mass Communication and Journalism- MKUMCJS

Course Name:Editing for Newspapers;Course Code:JOU4B05

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 37490 | C01     | Introduce basics of editing and writing for print media with the practical and professional skills.       | 100         |
| 37501 | C02     | Enable to understand importance of an editor and qualities of editor.                                     | 84.09       |
| 37504 | C03     | Molding student for the capacity to understand newspaper organization structure and editorial department. | 70.45       |
| 37509 | C04     | Training student on the basis of verbal and factual accuracy required for news stories.                   | 50          |

BA Mass Communication and Journalism- MKUMCJS

Course Name: Fundamentals of Mass Communication;Course Code:JOU2B02

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 37221 | C01     | Make students acquaint with the basic concepts of communication.  | 100         |
| 37232 | C02     | This course will establish the connection between the theory and the practice of mass communication and mass media.   | 95          |
| 37237 | C03     | Students should be able to apply the communication theory in order to analyses their own communication universe, their media sphere, their social, political and economic environment, public opinion and mass culture phenomena. | 80          |
| 37244 | C04     | Introduce students with the basic theories and research methods of communication.   | 75          |
| 37262 | C05     | Demonstrate understanding of the fundamental types, purposes, and relevance of mass communication.  | 50          |

BA Mass Communication and Journalism- MKUMCJS

Course Name:Introduction to Television Production;Course Code:JOU5B08

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 37326 | C01     | Exposes students to the basic knowledge of television production focusing on the aesthetics of the production.             | 89.58       |
| 37329 | C02     | Creates platform to practice various formats of television program and scripting styles.                                   | 68.75       |
| 37331 | C03     | Expose necessary ability to direct a video production which involves coordinating and commanding crew.                     | 75          |
| 37380 | C04     | Enabling students to frame visuals aesthetically with the correct proportion, angle, shot, lighting, camera movements etc. | 97.92       |
| 37383 | C05     | Acquire the ability of managing work flow of shooting, recording, editing etc.   | 66.67       |

BA Mass Communication and Journalism- MKUMCJS

Course Name:Malayala Sahithyam-1;Course Code:MAL1A01

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 40786 | C01     | Able to understand the basic and detailed features of all the genres of writing: novel, drama, poetry, non-fictional prose etc. | 82.5        |
| 40787 | C02     | Able to demonstrate the basic knowledge in the core area of academic writing and rhetoric strategies.                           | 75          |
| 40788 | C03     | Able to understand how authors and readers create meaning in texts.   | 77.5        |
| 40790 | C04     | Able to understand the history of literature in Malayalam in terms of major periods and authors.                                | 100         |
| 40792 | C05     | Able to understand and implement the literary and critical theories.  | 75          |

BA Mass Communication and Journalism-MKUMCJS

Course Name:Malayala Sahithyam-3;Course Code:MAL3A03

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 40831 | C01     | Specify in details with application, if applicable, DRAMA       | 92.5        |
| 40835 | C02     | Know the characteristics of SCREEN PLAY                         | 60          |
| 40838 | C03     | Specify the details of BIOGRAPHY                                | 95          |
| 40842 | C04     | Write down the details of COMMUNICATION                         | 72.5        |
| 40844 | C05     | Understand in details with application, if applicable, LANGUAGE | 90          |

BA Mass Communication and Journalism-MKUMCJS

Course Name:Photo Journalism;Course Code:JOU5B11

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 37403 | C01     | Imparting the use of photography for journalistic purposes both in print and electronic media.                                       | 100         |
| 37406 | C02     | Enhance technical and practical skills to adapt current and future trend of photography industry.                                    | 65.91       |
| 37408 | C03     | Identify, evaluate and analyze historical and theoretical practices of photography and its role in communication and journalism.     | 70.45       |
| 37409 | C04     | Understand the important photojournalists and images they produced.  | 75          |
| 37472 | C05     | Enabling to apply traditional news values such as impact, timeliness, objectivity, human interest etc to the photojournalism images. | 100         |

BA Mass Communication and Journalism-MKUMCJS

Course Name: Political Science- An Introduction Idea and Concepts; Course Code:PS1C01 PS2C02

| COID | CO Code | CO | Attainments |
|------|---------|----|-------------|
|------|---------|----|-------------|

|       |     |  |       |
|-------|-----|--|-------|
| 64352 | C01 | Analysing what is Politics and explaining the approaches to the Study of Political Science – Normative, Behavioral, Post Behavioral.                           | 81.82 |
| 64353 | C02 | Assessing the theories of State (Origin, Nature, Functions): Contract, Idealist, Liberal and Neo-Liberal Theories.   | 54.55 |
| 64354 | C03 | Explaining the Concept of State Sovereignty: Monistic and Pluralistic Theories. Analysing the changing concept of Sovereignty in the context of Globalisation. | 61.82 |
| 64355 | C04 | Understanding basic concepts of Liberty, Equality, Rights, Law and Justice.  | 72.73 |
| 39819 | C05 | Identify in depth Democracy  | 64.44 |
| 39820 | C06 | Learn the details of Public Opinion  | 93.33 |
| 64359 | C07 | Learn the details of Form of Government  | 80    |

#### BA Mass Communication and Journalism-MKUMCJS

Course Name: Reporting for Newspapers; Course Code:JOU3B04

| C0ID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 37145 | C01     | Make students exposed to the concept of news, types of and news values.                                     | 95          |
| 37147 | C02     | Demonstrate critical thinking skills necessary to collect, evaluate, organize and disseminate news.         | 90          |
| 37158 | C03     | Learn professional standards of conduct.  | 75          |
| 37182 | C04     | Demonstrate knowledge of difference between primary and secondary sources.                                  | 100         |
| 37196 | C05     | Learn established professional standards related to news-gathering, reporting, writing and publishing work. | 90          |

#### BA Mass Communication and Journalism- MKUMCJS

Course Name: Transactions- Essential English Language Skills; Course Code:ENG1A01

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 66562 | C01     | Specify in depth PRONUNCIATION                                 | 86.36       |
| 66563 | C02     | Identify in depth VOCABULARY                                   | 75          |
| 66564 | C03     | Write down in details with application, if applicable, GRAMMAR | 90.91       |
| 66565 | C04     | Learn in details with examples Speaking Skills                 | 72.73       |
| 66566 | C05     | Write down the details of READING                              | 97.73       |

#### BA Mass Communication and Journalism- MKUMCJS

Course Name: Ways with words- Literature in English; Course Code:ENG1A02

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 67378 | C01     | Understand the characteristics of SHORT STORIES<br>APPOINTMENT IN SAMARRA                                       | 68.75       |
| 67379 | C02     | Learn the characteristics of NIGHT WALKERS AND MYSTERY<br>MONGERS: SENSE AND NONSENSE AT THE EDGE OF<br>SCIENCE | 100         |
| 67380 | C03     | Understand the details of ODE TO AUTUMN   | 85.42       |
| 67381 | C04     | Specify in details with application, if applicable, THE TIMES<br>THEY are A-CHANGING                            | 81.25       |

#### BACHELOR OF COMPUTER APPLICATION-MKUCAS

Course Name : COMPUTER ORIENTED NUMERICAL AND STATISTICAL METHODS; Course Code:BCA2C03

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 66279 | C01     | Identify the classification and characteristics of bisection<br>method | 95.45       |
| 66280 | C02     | Deliberate in depth Regula falsi method                                | 84.09       |
| 66281 | C03     | Specify in details with application, if applicable, Correlation        | 75          |
| 66282 | C04     | Identify in details with application, if applicable, regression        | 75          |
| 66283 | C05     | Identify the details of dispersion                                     | 100         |

**BACHELOR OF COMPUTER APPLICATION-MKUCAS**

Course Name: MICROPROCESSOR AND APPLICATIONS; Course Code:BCA5B12

| C0ID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 41290 | C01     | Understand in details with application, if applicable, 8086 MICROPROCESSOR | 87.5        |
| 41291 | C02     | Write down in details with examples MICROPROCESSOR CHARACTERISTICS         | 82.5        |
| 41293 | C03     | Understand in details with examples ADDRESSING MODES                       | 85          |
| 41294 | C04     | Understand the characteristics of assembler DIRECTIVES                     | 72.5        |
| 41295 | C05     | Understand about DMA Controller  | 75          |

**BACHELOR OF COMPUTER APPLICATION-MKUCAS**

Course Name: THEORY OF COMPUTATION; Course Code: BCA3C06

| C0ID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 42546 | C01     | Learn the classification and characteristics of Automata            | 94.23       |
| 42549 | C02     | Learn in details with application, if applicable, Recursive grammar | 76.92       |
| 42552 | C03     | Specify in details with examples Turing machine                     | 75          |
| 42553 | C04     | Deliberate in details with examples Push down automata              | 75          |
| 42554 | C05     | Specify in details with examples Regular grammar                    | 100         |

**BBA(Self) -MKUCAS**

Course Name: Basic Numerical Skills; Course Code:BBIIIA11

| C0ID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 67341 | C01     | Specify the details of basic numerical skills                                 | 72.62       |
| 67342 | C02     | Write down in details with application, if applicable, basic numerical skills | 84.52       |
| 67343 | C03     | Specify in depth basic numerical skills                                       | 83.33       |
| 67344 | C04     | Understand in depth basic numerical skills                                    | 100         |

|       |     |  |       |
|-------|-----|--|-------|
| 67345 | C05 | Deliberate the characteristics of basic numerical skills | 96.43 |
|-------|-----|--|-------|

BBA(Self) -MKUCAS

Course Name:Basic Numerical Skills;Course Code:BBIIIA11

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 67341 | C01     | Specify the details of basic numerical skills                                 | 72.62       |
| 67342 | C02     | Write down in details with application, if applicable, basic numerical skills | 84.52       |
| 67343 | C03     | Specify in depth basic numerical skills                                       | 83.33       |
| 67344 | C04     | Understand in depth basic numerical skills                                    | 100         |
| 67345 | C05     | Deliberate the characteristics of basic numerical skills                      | 96.43       |

BBA(Self)-MKUCAS

Course Name:Business Research Methods;Course Code:BBVB08

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 43349 | C01     | Write down in details with application, if applicable, Introduction To Business Research. | 64.44       |
| 43357 | C02     | Understand in depth Exploratory Research.   | 93.33       |
| 43363 | C03     | Understand the characteristics of Research Design.  | 86.67       |
| 43374 | C04     | Understand the characteristics of Data Collection and Instrument Design.                  | 90.67       |
| 43378 | C05     | Learn in details with application, if applicable, Sampling Design.                        | 94.67       |

BBA(Self)-MKUCAS

Course Name: Human Resource Management; Course Code:BBIIIB04

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 43162 | C01     | Deliberate the classification and characteristics of Human resource management. | 78.79       |
| 43165 | C02     | Deliberate the characteristics of Manpower planning.                            | 74.55       |
| 43168 | C03     | Identify the classification and characteristics of Recruitment.                 | 84.85       |

|       |     |   |       |
|-------|-----|---|-------|
| 43170 | C04 | Learn in details with examples Selection. | 97.73 |
| 43172 | C05 | Deliberate the details of Training.       | 80    |

#### BBA(Self)-MKUCAS

Course Name: Indian Financial System; Course Code:BBVB10

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 41650 | C01     | Learn the details of Indian financial system introduction.                     | 112.22      |
| 41654 | C02     | Specify in details with examples capital market.                               | 96.94       |
| 41655 | C03     | Identify the classification and characteristics of capital market instruments. | 84.79       |
| 41656 | C04     | Specify in depth financial services.   | 55.34       |
| 41657 | C05     | Identify the details of Merchant banking.                                      | 75.66       |

#### BBA(Self)-MKUCAS

Course Name: Investment Management; Course Code:BBVB11

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 42395 | C02     | Learn the classification and characteristics of capital market . | 76.37       |
| 42401 | C03     | Specify in depth derivatives .                                   | 75.76       |

#### BBA(Self)-MKUCAS

Course Name:Malayala Sahithya Padanam-1;Course Code:MAL1A01

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 40708 | C01     | Able to understand and use the Malayalam language effectively  | 100         |
| 40710 | C02     | Able to build vocabulary and introduce them to current ideas and issues  | 95.45       |
| 40712 | C03     | Able to understand the basic and detailed features of all the genres of writing: novel, drama, poetry, non-fictional prose etc.. | 93.18       |
| 40715 | C04     | Able to demonstrate the basic knowledge in the core area of academic writing and rhetoric strategies                             | 50          |

|       |     |   |       |
|-------|-----|---|-------|
| 40716 | C05 | Able to understand how authors and readers create meaning in texts. | 43.18 |
|-------|-----|---|-------|

BBA(Self)-MKUCAS

Course Name: Managerial Economics; Course Code:BB1C01

| C0ID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 42415 | C01     | Understand the details of characteristics of managerial economics .        | 96.97       |
| 42418 | C02     | Deliberate in details with application, if applicable, concept of demand . | 70.91       |
| 42420 | C03     | Identify the characteristics of elasticity of demand .                     | 70.45       |
| 42423 | C04     | Learn the characteristics of concept of revenue .                          | 90.91       |
| 42429 | C05     | Deliberate the classification and characteristics of demand forecasting .  | 74.55       |

M A Economics - MKPEC

Course name: BANKING - THEORY AND PRACTICE; Course code:ECO3C11

| C0ID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 61981 | CO1     | Specify the details of international banking                  | 73.55       |
| 61983 | CO2     | Identify in depth commercial banks                            | 57.42       |
| 61985 | CO3     | Write down the characteristics of development banks functions | 74.19       |
| 61987 | CO4     | Learn the details of core banking system                      | 78.06       |

M A Economics - MKPEC

Course name: BASIC ECONOMETRICS; Course code:ECO3C12

| C0ID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 38230 | CO1     | Demonstrate a familiarity with the properties and applications of several families of statistical distributions to econometric problems | 46.15       |

|       |     |  |       |
|-------|-----|--|-------|
| 38241 | CO2 | Demonstrate an understanding of estimation frameworks in econometric models  | 73.08 |
| 38249 | CO3 | Provide a broad knowledge of regression analysis relevant for analyzing economic data.   | 67.31 |
| 38259 | CO4 | heoretical background for the standard methods used in empirical analyses, like properties of least squares estimators and the statistical testing of hypothesis | 82.69 |
| 38268 | CO5 | (a brief) introduction to the method of moments and the maximum likelihood principle for estimation of the parameters of a single equation econometric model     | 100   |

M A Economics- MKPEC

Course name: GROWTH AND DEVELOPMENT ; Course code:ECO3C10

| C0ID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 43503 | CO1     | Write down the details of concept, measurement of economic growth and development        | 86.36       |
| 43509 | CO2     | Identify in details with application, if applicable, grand theories of economic growth   | 85.23       |
| 43510 | CO3     | Understand in details with application, if applicable, grand theories of economic growth | 86.36       |
| 43514 | CO4     | Deliberate in depth models of economic growth  | 77.27       |

M A Economics- MKPEC

Course name: INDIAN ECONOMY PROBLEMS AND POLICIES ; Course code:ECO1C03

| C0ID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 61977 | CO1     | indian economy   | 65.38       |
| 62091 | CO2     | understand the growth and structural changes of the indian economy | 63.46       |

|       |     |  |       |
|-------|-----|--|-------|
| 62096 | CO3 | evaluation of major economic plannings in india and findout their achievements             | 92.31 |
| 62099 | CO4 | examine the variuos economic reforms since 1991 and an appraisal of idias economic reforms | 86.54 |
| 62103 | CO5 | study and understand about the economy of kerala   | 98.08 |

M A Economics- MKPEC

Course name: INTERNATIONAL TRADE ; Course code: ECO3C09

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 42284 | CO1     | PROVIDE AN OPPORTUNITY TO KNOW AND PREPARE BALANCE OF PAYMENT AND KNOW DIFFERENT METHODS TO OVERCOME BOP DEFICIT             | 68.75       |
| 42285 | CO2     | Know more about economic integration in the world  | 70.83       |
| 42286 | CO3     | To know the recent trends in India's BOP   | 77.08       |
| 42287 | CO4     | Know different commercial policies adopted by different economies of the world including both tariff and non tariff barriers | 70.83       |
| 42289 | CO5     | Understand different modern and traditional theories of the world  | 72.92       |

M A Economics- MKPEC

Course name: MACRO ECONOMIC - THEORY and POLICIES ; Course code: ECO1C02

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 38439 | CO1     | Assess how government policies and changing macroeconomic conditions affect societal welfare.                               | 84          |
| 38446 | CO2     | Demonstrate an understanding of recent economic events and their impact on current policy initiatives on the Indian economy | 86          |

|       |     |  |    |
|-------|-----|--|----|
| 38464 | CO3 | Understand the tenets of Keynesian Economics and apply the tenets through the aggregate demand and supply model; identify the Keynesian portion of the AS curve and explain the logic for it             | 58 |
| 38476 | CO4 | Differentiate between discretionary and automatic fiscal policy; define Automatic Stabilization Tools; define discretionary fiscal policy; differentiate between structural and cyclical budget balance. | 66 |

#### M A Economics- MKPEC

Course name: MICRO ECONOMICS - THEORY AND APPLICATIONS I ; Course code: ECO1C01

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 38293 | CO1     | FAMILIARIZE THE STUDENTS TO CONSUMER BEHAVIOUR UNDER UNCERTAINTY AND RISK | 92.5        |
| 38302 | CO2     | STUDENTS EXAMINE THE RECENT DEVELOPMENTS IN DEMAND THEORY                 | 95          |
| 38315 | CO3     | IDENTIFY THE THEORY OF PRODUCTION AND COSTS                               | 87.5        |
| 38338 | CO4     | IDENTIFY THEORY OF OLIGOPOLY MARKETS                                      | 85          |
| 38350 | CO5     | EXAMINE THE MANAGERIAL THEORIES AND THEORIES OF LIMIT PRICING             | 87.5        |

#### M A History-MKPHIS

Course name: Economic History of Modern India ; Course code:HISCSS3C112

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 43296 | CO1     | To have a thorough knowledge about India's economic condition.           | 76.36       |
| 43361 | CO2     | To understand how British imperialism adversely effected Indian economy. | 78.18       |
| 43461 | CO3     | Enable the students to understand the better economic policy for India.  | 69.09       |
| 43477 | CO4     | Asses the contribution of Javaharlal Nehru.                              | 89.09       |

#### M A History-MKPHIS

Course name: History of Premodern Societies ; Course code: HISCSS1C104

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 61343 | CO1     | To analyse in depth history of medieval trade system.   | 92.5        |
| 61348 | CO2     | To analyse the contribution of medieval scientists.     | 92.5        |
| 61573 | CO3     | Learn the classification and characteristics of Sufism. | 80          |
| 61575 | CO4     | Understand the details of Trade route.                  | 95          |
| 61576 | CO5     | Deliberate in depth Trade guilds.                       | 92.5        |

#### M A History-MKPHIS

Course name: Ideology and Practice of National Movement ; Course code: HISCSS3C111

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 37407 | CO1     | To make awareness among the students regarding the different ideologies and it's practice of Indian national movement | 83.64       |
| 41728 | CO2     | To compare the strategies of Moderates and Extremists   | 81.82       |
| 41730 | CO3     | Deliberate in details with application, if applicable, Ideology and Practice of the National Movement                 | 100         |
| 41732 | CO4     | Learn the details of Ideology and Practice of the National Movement   | 80          |

#### M A History-MKPHIS

Course name: Medieval India - Problems and Perspectives ; Course code: HISCSS3C110

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 58694 | CO1     | Understand in depth knowledge of cultural patterns, the change and continuity of the Mughal period. | 97.5        |
| 58695 | CO2     | Identify in depth meaning of medieval religious ideologies.   | 75          |
| 60806 | CO3     | To analyse the history of village community in medieval india                                       | 82.5        |
| 60811 | CO4     | To analyse the problems of medieval caste system  | 95          |
| 61568 | CO5     | Specify the characteristics of Bhakti movement.   | 97.5        |

#### M A History-MKPHIS

Course name: Methods Of Historical Indian Research ; Course code: HISCSS1C101

| COID | CO Code | CO | Attainments |
|------|---------|----|-------------|
|------|---------|----|-------------|

|       |     |   |       |
|-------|-----|---|-------|
| 44180 | CO1 | Understand the classification and characteristics of Process of Historical Research | 87.5  |
| 44181 | CO2 | Deliberate in details with examples Hypothesis                                      | 89.58 |
| 44183 | CO3 | Understand in details with application, if applicable, Research Plan                | 91.67 |
| 44184 | CO4 | Understand the characteristics of Research Monograph                                | 77.38 |

#### M A History-MKPHIS

Course name: Theory and Methods of Historiography ; Course code: HISCSS3C109

| COD   | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 61586 | CO1     | Identify the characteristics of Subaltern historiography.         | 84          |
| 61587 | CO2     | Specify the details of Marxism.                                   | 84          |
| 61588 | CO3     | Learn in details with examples Annals School.                     | 78          |
| 61589 | CO4     | Understand in details with examples enlightenment historiography. | 86          |

#### M A History-MKPHIS

Course name: Writing Kerala History - Historiography and Sources ; Course code: HISCSS1C102

| COD   | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 36980 | CO1     | To familiarize with well researched works that engages with both primary and secondary sources and to construct original historical arguments using a blend of primary and secondary source material related with Kerala History | 95          |
| 39491 | CO2     | To develop a sense of chronology.  | 93.78       |
| 39494 | CO3     | To help students to understand society and their place within it, so that they develop a sense of their cultural heritage.   | 87.93       |
| 39496 | CO4     | To give proper conception of time, space and society of Kerala history.  | 81.78       |

#### M A Islamic History-MKPIH

Course name: Indo Muslim Culture ; Course code: ISH104

| COD   | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 61369 | CO1     | Write down the classification and characteristics of Indo-Arab relations | 77.08       |
| 61370 | CO2     | Identify the classification and characteristics of Public works of Firoz | 75          |

|       |     |  |     |
|-------|-----|--|-----|
| 61371 | CO3 | Specify the characteristics of Foundation of Mughal Empire | 75  |
| 61372 | CO4 | Deliberate the details of Mughal Administration.           | 100 |
| 61373 | CO5 | Learn the details of Indo-Muslim culture                   | 75  |

#### M A Islamic History-MKPIH

Course name: Islamic Banking & Finance ; Course code: ISH303

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 40444 | CO1     | Understand in details with examples Islamic banking, Islamic Financial instruments | 77.5        |
| 47833 | CO2     | Write down the classification and characteristics of zakat                         | 80          |
| 47836 | CO3     | Understand in depth riba   | 87.5        |
| 47842 | CO4     | Identify in depth sources of islamic law   | 77.5        |
| 47848 | CO5     | Write down the details of law schools  | 80          |

#### M A Islamic History-MKPIH

Course name: Muslim Historiography ; Course code: ISH101

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 40450 | CO1     | Know the characteristics of Arab Historiography,Medieval Indian Historical Writings | 75          |
| 43056 | CO2     | Specify in depth Islamic Concept of history   | 82.5        |
| 43057 | CO3     | Write down the classification and characteristics of Sources of Islamic History     | 92.5        |
| 43058 | CO4     | Deliberate in depth Forms of Muslim Historical writings                             | 65          |
| 43059 | CO5     | Specify in details with examples Indo Islamic Historical Tradition                  | 97.5        |

#### M A Islamic History-MKPIH

Course name: Political Structure Of Islam ; Course code: ISH103

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 44005 | CO1     | Able to know about Abbasids especially Harun Al Rasheed               | 77.08       |
| 44008 | CO2     | Able to understand Political Expansions of Umayyad and Abbasids       | 94.79       |
| 44010 | CO3     | Able to understand Political Administrations of Umayyads and Abbasids | 78.13       |

M Com-MKPCM

Course name: Accounting for Managerial Decision ; Course code:MC1C3

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 62059 | C01     | Understand various Management Accounting tools used in Corporate strategy. | 100         |
| 62060 | C02     | Awareness on emerging costing approaches.                                  | 62.5        |
| 62061 | C03     | Enable to apply various Investment appraisal methods.                      | 77.5        |
| 62062 | C04     | Practical experience on Cost Volume Profit Analysis.                       | 95          |
| 62063 | C05     | Ability to analyse the cost of capital from various sources.               | 80          |

M Com- MKPCM

Course name: Financial Management ; Course code:MC3E01

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 37894 | C01     | Awareness on Financial environment of Corporates   | 77.27       |
| 37914 | C02     | Practical Experience on Working capital Management                                       | 77.27       |
| 37950 | C03     | Ability to analyse the impact of leverages on Companies                                  | 86.36       |
| 37998 | C04     | Ability to find the Optimum Capital structure for Companies                              | 90.91       |
| 38051 | C05     | understand various Capital structure Theories and its effectiveness on Capital budgeting | 79.55       |

M Com- MKPCM

Course name: Financial Marketing and Institution; Course code:MC3C11

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 49546 | C01     | Specify in details with application, if applicable, money market | 85.42       |
| 49547 | C02     | Deliberate in depth derivatives                                  | 100         |
| 49548 | C03     | Deliberate the characteristics of NSE                            | 62.5        |
| 49549 | C04     | Identify the classification and characteristics of INTEREST RATE | 77.08       |
| 49550 | C05     | Deliberate the details of COMMODITY MARKET                       | 79.17       |

M Com - MKPCM

Course name: Organization Theory and Behavior; Course code:MC1C5

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 38481 | CO1     | Discuss the development of the field of organizational behaviour and explain the micro and macro approaches | 100         |
| 38494 | CO2     | Analyze and compare different models used to explain individual behavior                                    | 87.5        |
| 38529 | CO3     | Equip with various personality principles in an organisation  | 87.5        |
| 57423 | CO4     | explain various motivational concepts   | 75          |
| 57426 | CO5     | Understand group dynamics and relationship  | 87.5        |

#### M Com- MKPCM

Course name: Quantitative Techniques for Business Decision; Course code:MC1C2

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 37614 | CO1     | Understand importance of quantitative techniques.   | 92.26       |
| 37635 | CO2     | Sound decision making in business.                  | 76.49       |
| 37653 | CO3     | Application of appropriate QT for research.         | 91.67       |
| 37663 | CO4     | Used to validate findings and interpreting results. | 87.35       |
| 37681 | CO5     | Understanding SPSS program.                         | 86.75       |

#### M Com- MKPCM

Course name: Security Analysis And Portfolio Management ; Course code:MC3E02

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 37616 | CO1     | Understand various investment alternatives available to investors | 80          |
| 37671 | CO2     | Acquire skills to manage investment                               | 82.5        |
| 37694 | CO3     | Skills on measuring risk and return of securities                 | 70          |
| 37820 | CO4     | Awareness on different approaches used in security analysis       | 82.5        |
| 37866 | CO5     | Awareness on various stock market indicators                      | 57.5        |

#### M Sc Botany- MKPBOS

Course name: Angiosperm Anatomy, Embryology, Palynology and Lab Techniques ; Course code:BOO1CT03

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 42075 | CO1     | Understand the classification and characteristics of node-nodal patterns | 56.82       |

|       |     |  |       |
|-------|-----|--|-------|
| 42076 | CO2 | Identify the classification and characteristics of cambium                             | 77.27 |
| 42077 | CO3 | Deliberate in details with application, if applicable, development and differentiation | 90.91 |
| 42078 | CO4 | Identify the classification and characteristics of anomalous secondary growth          | 84.09 |

#### M Sc Botany- MKPBOS

Course name: Angiosperm Morphology and Taxonomy and Plant Resources ; Course code:BOO3CT10

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 43634 | CO1     | Understand the characteristics of angiosperms                             | 95          |
| 43635 | CO2     | Write down the characteristics of concept of primitive angiosperm flower  | 85          |
| 43636 | CO3     | Learn the details of origin and evolution of carpels                      | 95          |
| 43637 | CO4     | Specify in depth scope and importance of taxonomy                         | 92.5        |
| 43640 | CO5     | Identify in details with applications of natural system of classification | 80          |

#### M Sc Botany- MKPBOS

Course name: Biotechnology and Bioinformatics ; Course code: BOO3CT11

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 42100 | CO1     | Identify the classification and characteristics of general account of laboratory facilities and management | 92.5        |
| 42101 | CO2     | Identify in depth media for invitro culture, composition and preparation                                   | 85          |
| 42102 | CO3     | Identify the details of callus culture   | 77.5        |
| 42103 | CO4     | Specify in details with examples cell culture  | 50          |
| 42104 | CO5     | Learn in details with examples large scale cultivations of cells using bioreactors                         | 100         |

#### M Sc Botany- MKPBOS

Course name: Mycology and Lichenology, Microbiology and Plant Pathology ; Course code: BOO1CT02

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 43609 | CO1     | Write down in details with examples of plant pathology | 86.36       |
| 43610 | CO2     | Write down the details of lichenology                  | 86.36       |

|       |     |  |       |
|-------|-----|--|-------|
| 43611 | CO3 | Identify the characteristics of fungi          | 85.22 |
| 43612 | CO4 | Specify the details of classification of fungi | 59.09 |

### M Sc Botany - MKPBOS

Course name: Phycology, Bryology , Pteridology & Gymnosperms ; Course code: BOO1CT01

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 43846 | CO1     | Understand the classification and characteristics of algae | 75          |
| 43848 | CO2     | Write down the biological importance of planktons          | 100         |
| 43855 | CO3     | Understand the economic importance of algae                | 68.75       |
| 43858 | CO4     | Specify the characteristics of evolution of bryophytes     | 75          |

### M Sc Botany- MKPBOS

Course name: Plant Physiology, Metabolism and Biochemistry ; Course code: BOO3CT09

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 43859 | CO5     | Learn in depth evolution of bryophytes      | 68.75       |
| 43909 | CO1     | Specify in details with properties of water | 100         |
| 43911 | CO2     | Learn the details of plant hormones         | 100         |
| 43912 | CO3     | Identify the details of enzymes             | 61.46       |
| 43913 | CO4     | Identify the characteristics of fatty acids | 83.33       |

### M Sc Chemistry-MKPCH

Course name: BASIC CONCEPTS IN QUANTUM CHEMISTRY AND GROUP THEORY ; Course code:CH1C01

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 39286 | CO1     | write down construction of character table of C <sub>2v</sub> point group | 90          |
| 39290 | CO2     | Explain the relation between group theory and quantum mechanics           | 86          |
| 39291 | CO3     | Write down the group multiplication table of C <sub>3v</sub>              | 62          |
| 66350 | CO4     | Understand the characteristics of basic quantum concepts                  | 80          |

M Sc Chemistry-MKPCH

Course name: ORGANO METALLIC AND BIOINORGANIC CHEMISTRY; Course code: CH3C10

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 38827 | CO1     | Write down bulk and trace metal ions.   | 75          |
| 38828 | CO2     | Explain sodium/potassium pump.  | 87.5        |
| 38830 | CO3     | Describe Biochemistry of metal ions like Fe,Zn,Co and Mg  | 70.83       |
| 38831 | CO4     | Explain oxygen transport by hemoglobin, Nitrogen fixationand electron transport in biological Systems.  | 87.5        |
| 38837 | CO5     | Explain functions of various metalloenzymes like carbonic anhydrase, carboxy peptidase cytochromes etc. | 66.67       |

M Sc Chemistry-MKPCH

Course name: STRUCTURE AND REACTIVITY OF ORGANIC COMPOUNDS; Course code:CH1C03

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 39310 | CO1     | Describe the different types of bonding in organic compounds                       | 88.46       |
| 39311 | CO2     | Describe reaction mechanism of organic reactions and variousreaction intermediates | 80.77       |
| 39319 | CO3     | Conformational analysis of 1,4 cis and trans disubstituted cyclohexane             | 77.89       |
| 39321 | CO4     | Write down the conformation of decaline,adamantine, sucrose and lactose            | 75          |

M Sc Chemistry-MKPCH

Course name: SYNTHETIC ORGANIC CHEMISTRY ; Course code:CH3E01

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 39405 | CO1     | Explain mechanisms various oxidation and reduction methods.  | 77.28       |
| 39406 | CO2     | Ability to apply organometallic and metallic reagents for synthesis of organic compounds.              | 75.22       |
| 39407 | CO3     | Explain palladium catalyzed coupling reactions including mechanism and synthetic application.          | 79.78       |
| 39408 | CO4     | Ability to synthesize an organic compound by retrosynthetic methods by C-C and C-X bond disconnection. | 85.34       |
| 39409 | CO5     | Synthetic study of most of the heterocyclic compounds probably medicinally important.                  | 87.5        |

MESKCMKD

M Sc Chemistry-MKPCH

Course name: THERMODYNAMICS , KINETICS AND CATALYSIS ; Course code:CH1C04

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 39336 | CO1     | Describe Nernst heat theorem                                   | 86.54       |
| 39338 | CO2     | Derive Duhem –Margules equation and explain its application    | 92.31       |
| 39342 | CO3     | Explain Onsager reciprocal relation                            | 76.92       |
| 39345 | CO4     | Derive Glansdorf-Pregogine equation                            | 82.69       |
| 39348 | CO5     | Explain Rice-Herzfeld mechanism and steady state approximation | 92.31       |

M Sc Mathematics-MKPMT

Course name: ALGEBRA 1; Course code:MT1C01

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 43588 | CO1     | Capable of understanding the concept of Abelian Groups, Factor Groups, Factor-Group Computations and Simple Groups              | 79.17       |
| 43589 | CO2     | fundamental homomorphism theorem  | 63.09       |
| 43590 | CO3     | Identify how to find out subgroups and normal subgroups and its series  | 72.92       |
| 43591 | CO4     | Applications of the Sylow theory, Free Groups.  | 82.44       |
| 43593 | CO5     | Discuss the algebraic structure of polynomial Rings and its Factorization of polynomials over a field, Non commutative examples | 70.53       |

M Sc Mathematics-MKPMT

Course name: DISCRETE MATHEMATICS ; Course code: MT1C05

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 40753 | CO1     | Assess properties implied by the definitions order relations and lattices.    | 100         |
| 40767 | CO2     | Analyze and prove a selection theorems Boolean Algebra and Boolean Functions. | 100         |
| 40789 | CO3     | Understand basic graph theory   | 79.17       |
| 40791 | CO4     | Know the theory of Computation and Finite Automata                            | 62.33       |

M Sc Mathematics-MKPMT

Course name: NUMBER THEORY ; Course code: MT1C04

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 66443 | CO1     | Learn in depth Cryptography  | 85          |
| 66447 | CO2     | Identify in details with application, if applicable, Examples of arithmetic functions  | 77.5        |
| 66448 | CO3     | Understand the classification and characteristics of Arithmetic functions              | 67.5        |
| 66449 | CO4     | Write down in details with application, if applicable, Different laws in number theory | 65          |
| 66450 | CO5     | Deliberate the details of Calculus on arithmetic function                              | 87.5        |

M Sc Mathematics- MKPMT

Course name: PDE AND INTEGRAL CALCULATION ; Course code: MT3C15

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 40702 | CO1     | Recognize the major classification of PDEs and be competent in solving linear PDEs | 67.86       |
| 40704 | CO2     | Analyse and solve non-linear PDEs.   | 75          |
| 40706 | CO3     | Recognize the concept of integral equations and solve problems.                    | 73.81       |

M Sc Physics-MKUPH

Course name: Classical Mechanics; Course code:PHY1C01

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 37705 | CO1     | Understand Small Oscillation method of Problem Solving   | 84.52       |
| 37723 | CO2     | Solve problems using Lagrangian and Hamiltonian Dynamics | 92.86       |
| 37732 | CO3     | Understand the importance of canonical transformations   | 85.71       |
| 37751 | CO4     | Problem solving using Hamilton Jacobi equation           | 83.33       |
| 37798 | CO5     | Understand the Kinematics and Dynamics of Rigid Body     | 71.43       |

M Sc Physics-MKUPH

Course name: Electrodynamics & Plasma Physics ; Course code: PHY1C03

| COID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 41912 | CO1     | Understand Maxwell's equations and potential functions,electromagnetic boundary conditions | 81.25       |

|       |     |  |       |
|-------|-----|--|-------|
| 41915 | CO2 | Describe wave equations and solutions,time harmonic fields, plane wave propagation in lossless media,lossy media,group velocity,poynting theorem   | 77.08 |
| 41924 | CO3 | Describe normal incidence at a plane conducting boundary, plane dielectric boundary,oblique incidence at plane conducting and dielectric boundary. | 85.42 |
| 41926 | CO4 | Understand the propagation of electromagnetic waves along different guiding structures like transmission lines, cavity resonators etc.             | 83.33 |
| 41927 | CO5 | Relate the magnetism and relativity, explain the general transformations for fields in different frames,electrodynamics in tensor notation         | 70.83 |

#### M Sc Physics-MKUPH

Course name: Electronics ; Course code: PHY1C04

| C0ID  | CO Code | CO   | Attainments |
|-------|---------|--|-------------|
| 67390 | CO1     | Deliberate the classification and characteristics of FIELD EFFECT TRANSISTOR         | 81.25       |
| 67391 | CO2     | Identify the characteristics of LED and LASERS                                       | 95.83       |
| 67392 | CO3     | Deliberate the classification and characteristics of OP-AMP                          | 89.58       |
| 67394 | CO4     | Deliberate the applications of OP-AMP  | 72.92       |
| 67395 | CO5     | Explain the characteristics and representation of logic gates in digital electronics | 75          |

#### M Sc Physics-MKUPH

Course name: Experimental Techniques ; Course code: PHY3E07

| C0ID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 37889 | CO1     | Familiarize common instrumentation in vacuum production and measurement     | 90          |
| 38485 | CO2     | Understand in depth Thin film techniques.                                   | 95          |
| 38509 | CO3     | Explain the theory and working of different types of particle accelerators. | 75          |
| 38524 | CO4     | Identify the classification and characteristics of Vacuum guages.           | 97.5        |
| 38536 | CO5     | Explain the methods used for materal analysis.                              | 85          |

M Sc Physics-MKUPH

Course name: Quantum Mechanics II; Course code: PHY3C09

| COID  | CO Code | CO  | Attainments |
|-------|---------|---|-------------|
| 43032 | CO1     | Knowledge about the various approximations methods to solve Quantum Mechanical problems.            | 88.46       |
| 43033 | CO2     | Distinguishes between time dependent and time-independent approximation methods.                    | 94.23       |
| 43034 | CO3     | Understands the concept of penetration of potential barrier, degenerate and non degenerate energies | 76.92       |
| 43036 | CO4     | Distinguishes time-dependent and time-independent perturbation theories.                            | 88.46       |
| 43037 | CO5     | Can derive the Klein-Gordon equations, hole theory  | 80.77       |