



## CHHATRAPATI SHAHU INSTITUTE OF BUSINESS EDUCATION & RESEARCH (CSIBER)

### 11) Course Content :

A) **Commerce and Management** (Compulsory papers are of 100 marks each; and optional paper is of 80 marks)

Paper-

- 1) Research Methodology, Quantitative Techniques and Computer Application
- 2) Recent Trends in Commerce and Management.
- 3) Optional Paper (One of the following)

a)	Marketing Management
b)	Financial Management
c)	Personnel Management and Industrial Relations
d)	Management of Co-operative Undertakings
e)	Industrial Structure of India
f)	Indian Economic Environment
g)	Applied Statistics and Quantitative Techniques
h)	Taxation of India
i)	Management Accounting
j)	Industrial Structure and Policy of India
k)	Advanced Cost Accountancy
l)	Business Administration
m)	Organisation of Trade and Logistic Management

B) **Economics** (Compulsory papers are of 100 marks each; and optional paper is of 80 marks)

Paper-

- 1) Research methodology and Application of Quantitative Techniques
- 2) Advanced Theories in Economics
- 3) Optional Paper (One of the following)

a)	Economics of Agriculture and co-operation
b)	International Trade and Finance
c)	Industrial Labor Economics
d)	Public Economics
e)	Economics of Money Banking and financial Institutions
f)	Demography and Gender Studies
g)	Regional Economics
h)	Environmental and Resource Economics

C) **Social work** (Compulsory papers are of 100 marks each; and optional paper is of 80 marks)

Paper-

- 1) Social Work Research and Quantitative Techniques
- 2) Principles and Practice of Social Work
- 3) Optional Paper (One of the following)





## CHHATRAPATI SHAHU INSTITUTE OF BUSINESS EDUCATION & RESEARCH (CSIBER)

a)	Human Resource Management
b)	Family and Child Welfare
c)	Criminology and Correctional Administration
d)	Urban and Rural community Development
e)	Medical and Psychiatric Social work

D) **Sociology** (Compulsory papers are of 100 marks each; and optional paper is of 80 marks) Paper-

- 1) Social Work Research and Quantitative Techniques
- 2) Sociological Theories
- 3) Optional Paper (One of the following)

a)	Agrarian Social Structure and Change
b)	Industry and Society in India
c)	Modernization and Development
d)	Communication and Development
e)	Sociology and Social Movement
f)	Political Sociology
g)	Sociology of Weaker Sections

**Seminar and Dissertation for all above Course Contents:**

1) **Seminar based on Paper IInd and IIIrd Carrying 50 Marks**

Every student shall present two Seminars. Each Seminar will carry 25 marks one on theory related to the M.Phil, paper and one on review of literature on published research in the relevant field.

2) **The Dissertation Carrying 200 Marks**

Dissertation shall be for 200 marks. Dissertation will be evaluated by the guide as an internal referee and by one external referee.

3) **Open Defense Viva-voce on Dissertation will carry 50 Marks**

The open defense viva-voce will be conducted by a Committee consisting of three members, one of whom will be the guide and two members suggested by the Research & Recognition committee.

12) **Medium of Instruction:**

The medium of instruction and examination will be English.



**Paper:**

- 1) Research Methodology, Quantitative Techniques and Computer Application
- 2) Recent Trends in Commerce and Management.
- 3) Optional Paper (One of the following)

a) Marketing Management
b) Financial Management
c) Human Resource Management
d) Management of Co-operative Undertakings
e) Industrial Structure of India
f) Indian Economic Environment
g) Applied Statistics and Quantitative Techniques
h) Taxation of India
i) Management Accounting
j) Industrial Structure and Policy of India
k) Advanced Cost Accountancy
l) Business Administration
m) Organisation of Trade and Logistic Management
n) Public Finance

**3. EVALUATION AND ASSESSMENT METHODS, MINIMUM STANDARDS/  
CREDITS FOR AWARD OF DEGREE, ETC.**

- 3.1 The overall credit requirement, including credit for the course work, for the award of M. Phil. Degree shall not be less than 24 credits.
- 3.2 Upon satisfactory completion of course work, and obtaining the marks /grade prescribed under these rules, the M. Phil scholar shall be required to undertake research work and produce a draft dissertation within a reasonable time, as stipulated by CSIBER, Kolhapur.
- 3.3 M. Phil. scholars shall present at least one research paper in a conference/seminar before the submission of the dissertation for adjudication, and produce evidence for the same in the form of presentation certificates.
- 3.4 The external referees shall communicate their willingness or otherwise to evaluate the M. Phil. dissertation within one month of the receipt of Institute letter. The internal and external referees shall submit their evaluation reports within one month of the receipt of the dissertation in a prescribed Proforma along With a detailed report.
- 3.5 While submitting for evaluation, the dissertation shall have an undertaking from the research scholar and a certificate from the Research Supervisor attesting to the originality of the work, vouching that there is no plagiarism and that the work has not been submitted for the award of any other degree/diploma of the Shivaji University where the work was carried out. It is mandatory for the research scholar to obtain and submit the report on plagiarism.



*(Dr. V.M. Deshmukh)*

M-PHIL ECONOMICS

2018-21

- 2.3 A minimum of four credits shall be assigned to one or more courses on Research Methodology could cover areas such as quantitative methods, computer applications, research ethics and reviewed published research in the relevant field, training, field work, etc. Other courses shall be advanced courses preparing the students for M. Phil. degree.
- 2.4 All courses prescribed for M. Phil course work shall be in conformity with the credit hour instruction requirement and shall specify content, instructional and assessment methods. They shall be duly approved by the Academic Council of CSIBER, Kolhapur.
- 2.5 All candidates admitted to the M. Phil. Programmes shall be required to complete the course work approved by the Academic Council of CSIBER, Kolhapur during the initial one or two semesters.
- 2.6 M. Phil. scholar has to obtain a minimum of 55% of marks or its equivalent grade in the UGC 7-scale (or an equivalent grade/CGPA in a point scale wherever grading system is followed) in the course work in order to be eligible to continue in the programme and submit the Dissertation.
- 2.7 The syllabus and other details of course work shall be made available on the Institute website [www.siberindia.edu.in](http://www.siberindia.edu.in)
- 2.8 The medium of the course work shall be English.
- 2.9 The student should write the answers in English. The course work will comprise of 3 papers of 100 marks each. Paper-1 will comprise of a course on Research Methodology, Quantitative Techniques and Computer Applications. Paper-2 shall be Recent Trends in subjects concerned. Paper-3 shall be of one optional paper (based on specialization) with 80 marks of institute examination and 20 marks for presentation of the review of published research papers from national journals in the concerned specialized areas. There should be at least One optional papers specified by concerned departments.
- 2.10 Course Content:  
Economics (Compulsory papers are of 100 marks each; and optional paper is of 80 marks)

**Paper:**

- 1) Research Methodology, Quantitative Techniques and Computer Application ✓
- 2) Advanced Theories in Economics ✓
- 3) Optional Paper (One of the following) ✓

✓ a) Economics of Agriculture and co-operation ✓
✓ b) International Trade and Finance ✓
✓ c) Economics of Industry and Labour ✓
✓ d) Public Economics ✓
✓ e) Economics of Money Banking and Financial Institutions ✓
✓ f) Demography and Gender Studies ✓
✓ g) Regional Economics ✓
✓ h) Environmental and Resource Economics ✓



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Dima  
- M. T. V. Sarmar

- 2.4 All courses prescribed for M. Phil course work shall be in conformity with the credit hour instructional requirement and shall specify content, instructional and assessment methods. They shall be duly approved by the Academic Council of CSIBER, Kolhapur.
- 2.5 All candidates admitted to the M. Phil. Programmes shall be required to complete the course work, as approved by the Academic Council of CSIBER, Kolhapur during the initial one or two semesters.
- 2.6 For Paper-I & Paper-II of M. Phil. Programme a scholar has to obtain a minimum of 55% of marks or its equivalent grade in the UGC 7-point scale (or an equivalent grade/CGPA in a point scale wherever grading system is followed) in the course work in order to be eligible to continue in the programme and submit the Dissertation. Similarly for Paper-III(Optional paper) which has 80 marks for theory and 20 marks for internal, scholar has to obtain 55% of Marks in both to pass.
- 2.7 The syllabus and other details of course work shall be made available on the Institute website [www.siberindia.edu.in](http://www.siberindia.edu.in)
- 2.8 The medium of the course work shall be English.
- 2.9 The student should write the answers in English. The course work comprises of 3 papers of 100 marks each. Paper-1 will comprise of a course on Research Methodology, Quantitative Techniques and Computer Applications. Paper-2 shall be of core subjects concerned. And Paper-3 Shall have one optional paper, based on specialization for 80 marks, and 20 marks for presentation of the review of published research,papers from national journals on the concerned specialized areas. There should be at least one optional paper specified by the respective departments.

**2.10 Course Content:**

Social Work (Compulsory papers are of 100 marks each; and optional paper is of 80 marks)

**Paper: Compulsory papers**

- 1) Social Work Research, Quantitative Techniques and Computer Application
- 2) Principles and Practice of Social Work
- 3) **Optional Paper** (One of the following)

a) Human Resource Management
b) Family , Child and youth Welfare
c) Criminology and Correctional Administration
d) Urban, Rural and Tribal Community Development
e) Medical and Psychiatric Social Work.



- 2.1 M. Phil. course work shall be a minimum of 08 credits and maximum of 16 credits.
- 2.2 The course work shall be treated as prerequisite for M. Phil. Programme.
- 2.3 A minimum of four credits shall be assigned to one or more courses on Research Methodology which could cover areas such as quantitative methods, computer applications, research ethics and review of published research in the relevant field, training, field work, etc. Other courses shall be advanced level courses preparing the students for M. Phil. degree.
- 2.4 All courses prescribed for M. Phil course work shall be in conformity with the credit hour instructional requirement and shall specify content, instructional and assessment methods. They shall be duly approved by the Academic Council of CSIBER, Kolhapur.
- 2.5 All candidates admitted to the M. Phil. Programmes shall be required to complete the course work, as approved by the Academic Council of CSIBER, Kolhapur during the initial one or two semesters.
- 2.6 M. Phil. scholar has to obtain a minimum of 55% of marks or its equivalent grade in the UGC 7-point scale (or an equivalent grade/CGPA in a point scale wherever grading system is followed) in the course work in order to be eligible to continue in the programme and submit the Dissertation.
- 2.7 The syllabus and other details of course work shall be made available on the Institute website [www.siberindia.edu.in](http://www.siberindia.edu.in)
- 2.8 The medium of the course work shall be English.
- 2.9 The student should write the answers in English. The course work will comprises of 3 papers of 100 marks each. Paper-1 will comprise of a course on Research Methodology, Quantitative Techniques and Computer Applications. Paper-2 shall be Recent Trends in subjects concerned. And Paper-3 shall be of one optional paper (based on specialization) with 80 marks of Institute examination and 20 marks for presentation of the review of published research papers from national journals on the concerned specialized areas. There should be at least One optional papers specified by the concerned departments.
- 2.10 Course Content:

- Sociology (Compulsory papers are of 100 marks each; and optional paper is of 80 marks)

**Compulsory Paper:**

1) Research Methodology, Quantitative Techniques and Computer Application

2) Sociological Theories

3) Optional Paper (One of the following)

- |  |   |
|--|---|
| a) Organizational Sociology                | ✓ |
| b) Social Exclusion and Inclusive Policies | ✓ |
| c) Environmental Sociology                 | ✓ |
| d) Social Movement in India                |   |



## STRUCTURE OF M. SC. (QUANTITATIVE ECONOMICS)

2016-18

(With Optional Papers)

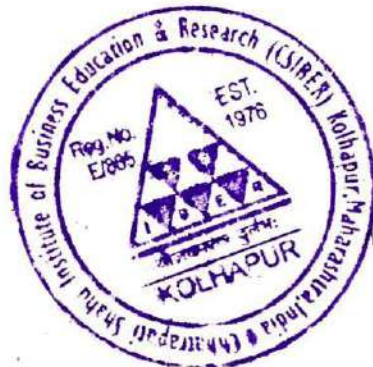
(2016-17 &amp; 2017-18)

## SEMESTER-I

Sub. Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
101	Microeconomics	4	60	40	60	100
102	Mathematics for Economic Analysis	4	60	40	60	100
103	Statistical Methods for Economics	4	60	40	60	100
104	Economics of Growth and Development	4	60	40	60	100
	Basic Maths & Economics Tutorial (Non-Credit)	-	30	-	-	-
	<b>Total Credits</b>	<b>16</b>	<b>270</b>	<b>160</b>	<b>240</b>	<b>400</b>

## SEMESTER-II

Sub. Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
201	Macroeconomics ✓	4	60	40	60	100
202	Mathematical Economics ✓	4	60	40	60	100
203	Public Finance and Policy ✓	4	60	40	60	100
204	Research Methods in Economics (Seminar)	4	60	100	-	100
205	Introduction to Ms-Excel	4	60	40	60	100
206	Mini Project	4	60	100		100
	<b>Total Credits</b>	<b>24</b>	<b>360</b>	<b>360</b>	<b>240</b>	<b>600</b>



*Dr. T. V. S. S. S.*  
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M.Sc. (Quantitative Economics), C.S.I.B.E.R., Kolhapur

## SEMESTER-III

Sub. Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
301	International Economics 711	4	60	40	60	100
302	Econometrics-I 712	4	60	40	60	100
303	Indian Economic Development & Policy (Seminar) 713	4	60	100	-	100
304	E1) Industry & Labour Economics	4	60	40	60	100
(Any Two)	E2) Environmental Economics 714	4	60	40	60	100
	E3) Monetary Economics 715					
305	Introduction to SPSS 716	4	60	40	60	100
306	Mini Project 717	4	60	100		100
	Career Development Sessions	-	30	-	-	-
	<b>Total Credits</b>	<b>28</b>	<b>450</b>	<b>400</b>	<b>300</b>	<b>700</b>

## SEMESTER-IV

Sub. Code	Subject	Credits	Hours	Int. Marks	Ext. Marks	Total Marks
401 ✓	Agriculture Economics ✓ 718	4	60	40	60	100
402 ✓	Indian Financial Institutions and Markets (Seminar) ✓ 719	4	60	100	-	100
403 ✓	Econometrics - II & Computer Practicals ✓ 720	4	60	40	60	100
404 ✓	E1) Financial Economics ✓ 721	4	60	40	60	100
(Any Two)	E2) Managerial Economics ✓ 722	4	60	40	60	100
	E3) Welfare Economics ✓	4	60	40	60	100
405 ✓	R - Programming ✓ 723	4	60	40	60	100
406	Major Project 724	8	120	80	120 (Viva-Voce)	200
	<b>Total Credits</b>	<b>32</b>	<b>480</b>	<b>380</b>	<b>420</b>	<b>800</b>



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 Dr. S. V. Sarm



## STRUCTURE OF M. SC. (QUANTITATIVE ECONOMICS)

2018-20

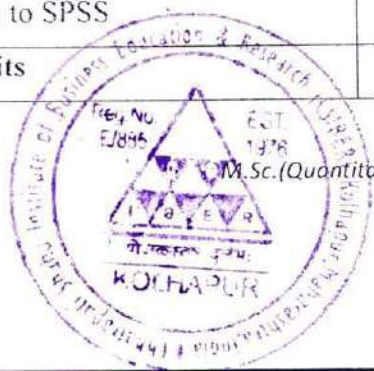
## SEMESTER-I

(2018-19 &amp; 2019-20)

Sub. Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
C101	History of Economic Thought	4	60	40	60	100
C102	Microeconomics	4	60	40	60	100
C103	Mathematics for Economic Analysis	4	60	40	60	100
DI01 (Any one)	E1) Statistical Methods for Economics E2) Demography	4	60	40	60	100
GE (Any one)	<ul style="list-style-type: none"> <li>• Environment &amp; Development</li> <li>• Office Automation</li> <li>• Fundamentals of Management</li> <li>• Indian Social Problems &amp; Services</li> </ul>	4	60	40	60	100
AEC	Introduction to Ms-Excel	4	60	40	60	100
	<b>Total Credits</b>	<b>24</b>	<b>360</b>	<b>240</b>	<b>360</b>	<b>600</b>

## SEMESTER-II

Sub. Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
C201	Macroeconomics	4	60	40	60	100
C202	Mathematical Economics	4	60	40	60	100
C203	Public Finance and Policy	4	60	40	60	100
D201 (Any One)	E1) Indian Economic Development & Policy (Seminar) E2) Economics of Banking & Insurance (Seminar)	4	60	100	-	100
GE (Any one)	<ul style="list-style-type: none"> <li>• Management Information System</li> <li>• Fundamentals of Accounting</li> <li>• Disaster Management</li> <li>• Social Welfare Administration</li> </ul>	4	60	40	60	100
AEC	Introduction to SPSS	4	60	40	60	100
	<b>Total Credits</b>	<b>24</b>	<b>360</b>	<b>300</b>	<b>300</b>	<b>600</b>



2019

M.Sc. (Quantitative Economics) under CBCS, C.S.I.B.E.R., Kolhapur

*Dr. T. V. Sarma*

## SEMESTER-III

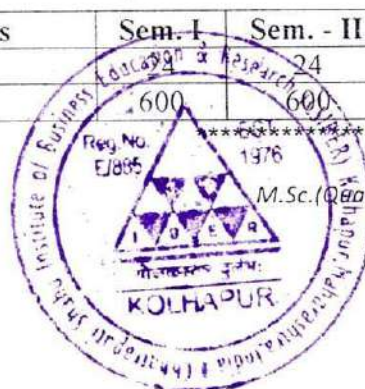
Sub. Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
C301	International Economics	4	60	40	60	100
C302	Econometrics-I	4	60	40	60	100
C303	Research Methods in Economics (Seminar)	4	60	100	-	100
C304	Economics of Growth and Development	4	60	40	60	100
D301 (Any one)	E1) Industry & Labour Economics E2) Environmental Economics E3) Monetary Economics	4	60	40	60	100
GE (Any one)	<ul style="list-style-type: none"> <li>• Agri-Business Environment &amp; Co-operation</li> <li>• Cyber Laws</li> <li>• Sustainable Agriculture</li> <li>• Counseling Theory and Practice</li> </ul>	4	60	40	60	100
AEC	R-Programing	4	60	40	60	100
	<b>Total Credits</b>	<b>28</b>	<b>420</b>	<b>340</b>	<b>360</b>	<b>700</b>

## SEMESTER-IV

Sub. Code	Subject	Credits	Hours	Int. Marks	Ext. Marks	Total Marks
C401	Agriculture Economics	4	60	40	60	100
C402	Indian Financial Institutions and Markets (Seminar)	4	60	100	-	100
C403	Econometrics - II	4	60	40	60	100
C404	Project Work & Viva-Voce	4	60	40	60	100
D401 (Any one)	E1) Financial Economics E2) Managerial Economics E3) Welfare Economics	4	60	40	60	100
GE (Any one)	<ul style="list-style-type: none"> <li>• Occupational Health &amp; Safety</li> <li>• Business Ethics</li> <li>• Software Development &amp; Procurement Procedure</li> <li>• Rural Economy</li> </ul>	4	60	40	60	100
AEC	Python Programming	4	60	40	60	100
	<b>Total Credits</b>	<b>28</b>	<b>420</b>	<b>380</b>	<b>420</b>	<b>700</b>

Total Credits <sup>23</sup>

Semesters	Sem. I	Sem. - II	Sem. III	Sem. IV	Total
Credits	24	24	28	28	104
Marks	600	600	700	700	2600



M.Sc. (Quantitative Economics) under CBCS, C.S.I.B.E.R., Kolhapur

Dr. T. V. Sarm

## STRUCTURE OF M. SC. (QUANTITATIVE ECONOMICS)

2019-20 e 2020-21

## SEMESTER-I

Sub. Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
C101	History of Economic Thought	4	60	40	60	100
C102	Microeconomics	4	60	40	60	100
C103	Mathematics for Economic Analysis	4	60	40	60	100
D101 (Any one)	E1) Statistical Methods for Economics E2) Demography	4	60	40	60	100
GE (Any one)	<ul style="list-style-type: none"> <li>• Environment &amp; Development</li> <li>• Office Automation</li> <li>• Fundamentals of Management</li> <li>• Indian Social Problems &amp; Services</li> </ul>	4	60	40	60	100
AEC	Introduction to Ms-Excel (Practical)	4	60	40	60	100
	<b>Total Credits</b>	<b>24</b>	<b>360</b>	<b>240</b>	<b>360</b>	<b>600</b>

## SEMESTER-II

Sub. Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
C201	Macroeconomics	4	60	40	60	100
C202	Mathematical Economics	4	60	40	60	100
C203	Public Finance and Policy	4	60	40	60	100
D201 (Any One)	E1) Indian Economic Development & Policy (Seminar) E2) Economics of Banking & Insurance (Seminar)	4	60	100	-	100
GE (Any one)	<ul style="list-style-type: none"> <li>• Management Information System</li> <li>• Fundamentals of Accounting</li> <li>• Disaster Management</li> <li>• Social Welfare Administration</li> </ul>	4	60	40	60	100
AEC	Introduction to SPSS (Practical)	4	60	40	60	100
	<b>Total Credits</b>	<b>24</b>	<b>360</b>	<b>300</b>	<b>300</b>	<b>600</b>



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(Quantitative Economics) under CBCS, C.S.I.B.E.R., Kolhapur

Dr. T. V. Sarma

## SEMESTER-III

Sub. Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
C301	International Economics	4	60	40	60	100
C302	Econometrics-I	4	60	40	60	100
C303	Research Methods in Economics (Seminar)	4	60	100	-	100
C304	Economics of Growth and Development	4	60	40	60	100
D301 (Any one)	E1) Industry & Labour Economics E2) Environmental Economics E3) Monetary Economics	4	60	40	60	100
GE (Any one)	<ul style="list-style-type: none"> <li>• Agri-Business Environment &amp; Co-operation</li> <li>• Cyber Laws</li> <li>• Sustainable Agriculture</li> <li>• Counseling Theory and Practice</li> </ul>	4	60	40	60	100
AEC	R-Programing (Practical)	4	60	40	60	100
	<b>Total Credits</b>	<b>28</b>	<b>420</b>	<b>340</b>	<b>360</b>	<b>700</b>

## SEMESTER-IV

Sub. Code	Subject	Credits	Hours	Int. Marks	Ext. Marks	Total Marks
C401	Agriculture Economics	4	60	40	60	100
C402	Indian Financial Institutions and Markets (Seminar)	4	60	100	-	100
C403	Econometrics- II	4	60	40	60	100
C404	Project Work & Viva-Voce	4	60	40	60	100
D401 (Any one)	E1) Financial Economics E2) Managerial Economics E3) Welfare Economics	4	60	40	60	100
GE (Any one)	<ul style="list-style-type: none"> <li>• Occupational Health &amp; Safety</li> <li>• Business Ethics</li> <li>• Software Development &amp; Procurement Procedure</li> <li>• Rural Economy</li> </ul>	4	60	40	60	100
AEC	Python Programing (Practical)	4	60	40	60	100
	<b>Total Credits</b>	<b>28</b>	<b>420</b>	<b>380</b>	<b>420</b>	<b>700</b>

Total Credits <sup>24</sup>

Semesters	Sem. I	Sem. - II	Sem. III	Sem. IV	Total
Credits		24	28	28	104
Marks		700	700	700	2600



M.Sc. (Quantitative Economics) under CBCS, C.S.I.B.E.R., Kolhapur

*Dr. T. V. S. S. S.*

A candidate indenting to re-appear at the M. Com. Examination under the improvement scheme has to complete the First Two Semesters (Part-I) or III & IV semesters (Part-II) at a time. He will not be entitled to claim exemption in a paper / papers of semesters.

It is the primary responsibility of the students concerned to select the subject and papers for which teaching provision is there and to study the prescribed books as per syllabus in force.

A candidate indenting to re-appear at the M. Com. Examination under these rules shall have to register his / her name with the Institute by the prescribed dates every year.

**Structure of M.Com. – I**  
(With effect from 2013) - 2016-17

Semester – I					
Sr.No	Title of the Paper	Credit	Points	Hours	Marks
	<b>Compulsory Paper</b>				
1.	Management Concepts and Organizational Behaviour (Management Concepts ) Paper-I	Full	4	60	100
2.	Managerial Economics Paper-I	Full	4	60	100
	<b>Opt. Paper (Accountancy Specialization)</b>				
3.	Gr-a : Advanced Accountancy Paper-I	Full	4	60	100
4.	Gr-a : Advanced Accountancy (Auditing) Paper-II	Full	4	60	100
	<b>TOTAL</b>		<b>16</b>	<b>240</b>	<b>400</b>
Semester – II					
Sr.No	Title of the Paper	Credit	Points	Hours	Marks
	<b>Compulsory Paper</b>				
1.	Management Concepts and Organizational Behaviour (Organizational Behaviour) Paper-II	Full	4	60	100
2.	Managerial Economics Paper-II	Full	4	60	100



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	Opt. Paper (Accountancy Specialization)				
3.	Gr-a : Advanced Accountancy Paper-III	Full	4	60	100
4.	Gr-a : Advanced Accountancy (Taxation) Paper-IV	Full	4	60	100
	<b>TOTAL</b>		<b>16</b>	<b>240</b>	<b>400</b>

**Structure of M.Com. – II**

(With effect from 2014)

Semester – III					
Sr.No	Title of the Paper	Credit	Points	Hours	Marks
	<b>Compulsory Paper</b>				
1.	Management Accounting Paper-I	Full	4	60	100
2.	Business Finance Paper-I	Full	4	60	100
	<b>Special Groups</b>				
3.	Gr. a: Advanced Accountancy Paper-V (Cost Accounting)	Full	4	60	100
4.	Gr. a: Research Methodology and Project Work Paper-VI (Advanced Accountancy)	Full	4	60	100
			<b>16</b>	<b>240</b>	<b>400</b>
Semester – IV					
Sr.No	Title of the Paper	Credit	Points	Hours	Marks
	<b>Compulsory Paper</b>				
1.	Management Accounting Paper-II (Management Control system)	Full	4	60	100
2.	Business Finance Paper-II	Full	4	60	100



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Special Groups					
3.	Gr .a: Advanced Accountancy Paper-VII (Financial Management)	Full	4	60	100
4.	Gr. a: Research Methodology and Project Work Paper-VIII	Full	4	60 Days Training	100
<b>TOTAL</b>			<b>16</b>	<b>240</b>	<b>400</b>

**Master of Commerce**  
**M.Com. Part-I**  
**Sem-I & Sem-II**  
**(Choice Based Credit System)**  
**Introduced from June 2013 and Onwards**

Sr.No	Semester-I	Sr.No	Semester-II
	<b>Compulsory Paper</b>		<b>Compulsory Paper</b>
1.	Management Concepts and Organizational Behaviour (Management Concepts ) Paper-I	1.	Management Concepts and Organizational Behaviour (Organizational Behaviour) Paper-II
2.	Managerial Economics Paper-I	2.	Managerial Economics Paper-II
	<b>Opt. Paper (Accountancy Specialization)</b>		<b>Opt. Paper (Accountancy Specialization)</b>
3.	Gr-a : Advanced Accountancy Paper-I	3.	Gr-a : Advanced Accountancy Paper-III
4.	Gr-a : Advanced Accountancy (Auditing) Paper-II	4.	Gr-a : Advanced Accountancy (Taxation) Paper-IV

**M.Com-Part-I**  
**Semester- I**  
**Compulsory Paper**  
**Management Concepts and Organizational Behaviour Paper-I**  
**(Management Concepts)**

**Objectives:**

- 1) To acquaint the students with the basic management concepts and process.
- 2) To create awareness among students about the modern trends in the management and impact of globalization.

**Unit -1:- Evolution of Management Thought:-**

(15)

Contribution of Michal porter Mary Parker Follet, Peter Drucker and C.K Pralhad Management in 21st century. International Management - Impact of globlization on management.



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**Revised Structure of M.Com  
(With Effect from 2017-18)  
M.Com - I Year**

M.Com-I Semester – I							
Nature of choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC 1.1 ✓	Organization Theory and Behaviour 101	4	60	40	60	100
	CC 1.2 ✓	Managerial Economics 102	4	60	40	60	100
	CC 1.3 ✓	Advanced Accountancy 103	4	60	40	60	100
✓ Discipline Specific Elective (DSE) Specialization [Any One]	DSE.1.1 ✓	Business Analysis & Valuation 105	4	60	40	60	100
	DSE 1.2 ✓	Financial Institutions & Markets 106					
5 Generic Elective (GE) (Any One) Elective From Other Department ✓	GE 1.1 ✓	Office Automation 108	4	60	40	60	100
	GE 1.2 ✓	Environment and Development 109					
	Indian GE 1.3 ✓	Social Problems and Services 110					
6 Ability Enhancement course (AEC)	AEC 1.1 ✓	Communication at Work 112	4	60	40	60	100
<b>Total</b>			<b>24</b>	<b>360</b>	<b>240</b>	<b>360</b>	<b>600</b>

DSE-1 GE 1 - AEC-1 } 9  
 DSE 1 GE-2 AEC-1  
 DSE-1 GE 3 AEC-1  
  
 DSE-2 GE-1 AEC-1  
 DSE 2 GE-2 AEC-1  
 DSE 2 GE-3 AEC-1

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M.Com –I Semester-II							
Nature of choice	Subject Code	Subject	Full Credits	Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses	CC 2.1 ✓	Research Methodology For Business	4	60	40	60	100
	CC 2.2 ✓	Investment Analysis & Portfolio Management	4	60	40	60	100
	CC 2.3 ✓	Financial Management	4	60	40	60	100
Discipline Specific Elective (DSE) Specialization [Any One]	DSE 2.1 ✓	Cost & Management Audit	4	60	40	60	100
	DSE 2.2 ✓	Personal Financial Planning					
Generic Elective (GE) (Any One) Elective From Other Department	GE 2.1 ✓	Management Information System	4	60	40	60	100
	GE 2.2 ✓	Disaster Management					
	GE 2.3 ✓	Social Welfare Administration					
Ability Enhancement Course (AEC)	AEC 2.1 ✓	Computer Application in Business	4	60	40	60	100
Total			24	360	240	360	600

~~DSE-2.1 GE-2.1 AEC-2~~  
~~DSE 2.1 GE 2.2 AEC-2~~  
~~DSE 2.1 GE 2.3 AEC-2~~  
~~DSE 2.2 GE-2.1 AEC-2~~  
~~DSE 2.2 GE 2.2 AEC-2~~  
~~DSE 2.2 GE 2.3 AEC-2~~

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Revised Structure of M.Com  
(With Effect from 2017-18)  
M.Com - II Year

M.Com-II Semester – III							
Nature of choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC 3.1 ✓	Strategic Management	4	60	40	60	100
	CC 3.2 ✓	Contemporary Issues in Business Finance	4	60	40	60	100
	CC 3.3 ✓	Corporate Restructuring	4	60	40	60	100
	CC 3.4 ✓	Project Report & Viva Voce (Summer Inplant Training)	4	50 days + 30	60	40	100
Discipline Specific Elective (DSE) Specialization [Any One]	<sup>305</sup> DSE 3.1 ✓	Project Management & Control ✓	4	60	40	60	100
	<sup>306</sup> DSE 3.2 ✓	Corporate Tax Structure and Planning ✓					
Generic Elective (GE) (Any One) Elective From Other Department	<sup>308</sup> GE 3.1 ✓	Counseling: Theory and Practice ✓	4	60	40	60	100
	<sup>309</sup> GE 3.2 ✓	Sustainable Agriculture ✓					
	<sup>310</sup> G.E 3.3 ✓	Cyber Law ✓					
Ability Enhancement Course (AEC)	<sup>312</sup> AEC 3.1 ✓	Tally & ERP	4	60	40	60	100
Total			28	420	300	400	700



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M.Com –II Semester-IV							
Nature of choice	Subject Code	Subject	Full Credits	Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses	CC. 4.1	Management Information System	4	60	40	60	100
	CC. 4.2	International Business Environment	4	60	40	60	100
	CC.4.3	Management Accounting	4	60	40	60	100
Discipline Specific Elective (DSE) Specialization [Any One]	DSE. 4.1	Direct & Indirect Tax	4	60	40	60	100
	DSE.4.2	India's Foreign Trade And Investment					
Generic Elective (GE) (Any One) Elective From Other Department	GE.4.1	Software Development, Selection And Procurement	4	60	40	60	100
	GE.4.2	Occupational Health and Safety					
	G.E.4.3	Rural Economy					
Ability Enhancement Course (AEC)	AEC.4.1	Professional Skills	4	60	40	60	100
<b>Total</b>			<b>24</b>	<b>360</b>	<b>240</b>	<b>360</b>	<b>600</b>



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**Revised Structure of M.Com**  
**(With Effect from 2019-20) 2020-21**  
**M.Com - I Year**

M.Com-I Semester – I								
Nature of choice	Subjects Code	Subjects	Credits	LTP	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC-101	Organization Theory and Behaviour	4	3:1:0	60	40	60	100
	CC-102	Contemporary Issues in Business Finance	4	3:1:0	60	40	60	100
	CC -103	Advanced Accountancy	4	3:0:1	60	40	60	100
Discipline Specific Elective (DSE) Specialization [Any One]	DSE-101-A	Business Analysis & Valuation	4	3:0:1	60	40	60	100
	DSE-101-B	Financial Institutions & Markets						
Generic Elective (GE) (Any One) Elective From Other Department	GE-101- A	Environment & Development	4	3:1:0	60	40	60	100
	GE-101-B	Indian Social Problems & Social Services						
	GE-101-C	Office Automation						
	GE-101-D	Principle of Economics						
Ability Enhancement Course (AEC)	AEC-101	Communication at Work	4	3:0:1	60	40	60	100
<b>Total</b>			<b>24</b>	<b>NA</b>	<b>360</b>	<b>240</b>	<b>360</b>	<b>600</b>



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M.Com-I Semester – II								
Nature of choice	Subjects Code	Subjects	Credits	LTP	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses	CC-201	Research Methodology For Business	4	3:1:0	60	40	60	100
	CC-202	Investment Analysis & Portfolio Management	4	3:0:1	60	40	60	100
	CC-203	Financial Management	4	3:0:1	60	40	60	100
Discipline Specific Elective (DSE) Specialization [Any One]	DSE-201-A	Computer Application in Business	4	3:0:1	60	40	60	100
	DSE-201-B	Personal Financial Planning						
Generic Elective (GE) (Any One) Elective From Other Department	GE-201-A	Disaster Management	4	3:1:0	60	40	60	100
	GE-201-B	Social Welfare Administration						
	GE-201-C	Management Information System						
	GE-201-D	Principles of Micro Economics						
Ability Enhancement Course (AEC)	AEC-201	Tally & ERP	4	3:0:1	60	40	60	100
Total			24		360	240	360	600



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**Revised Structure of M.Com  
(With Effect from 2019-20)  
M.Com - II Year**

**M.Com-II Semester – III**

Nature of choice	Subjects Code	Subjects	Credits	LTP	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC-301	Strategic Management	4	3:1:0	60	40	60	100
	CC-302	Company Accounts & Auditing Practices	4	3:0:1	60	40	60	100
	CC-303	Direct & Indirect Tax	4	3:0:1	60	40	60	100
	CC-304	Project Report & Viva Voce	4	0:0:4	50days	40	60	100
Discipline Specific Elective (DSE) Specialization [Any One]	DSE-301-A	Financial Reporting	4	3:0:1	60	40	60	100
	DSE-301-B	India's Foreign Trade and Investment						
Generic Elective (GE) (Any One) Elective From Other Department	GE-301-A	Sustainable Agriculture	4	3:1:0	60	40	60	100
	GE-301-B	Fundamentals of Counselling						
	GE-301-C	E-Commerce						
	GE-301-D	Fundamentals of Macro Economics						
Ability Enhancement Course (AEC)	AEC-301	Financial Data Analysis using Excel	4	3:0:1	60	40	60	100
<b>Total</b>			<b>28</b>		<b>420</b>	<b>300</b>	<b>400</b>	<b>700</b>



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## M.Com-II Semester – IV

Nature of choice	Subjects Code	Subjects	Credits	LTP	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses	CC-401	Cost & Management Audit	4	3:0:1	60	40	60	100
	CC-402	International Business Environment	4	3:1:0	60	40	60	100
	CC-403	Management Accounting	4	3:0:1	60	40	60	100
Discipline Specific Elective (DSE) Specialization [Any One]	DSE-401-A	Corporate Restructuring and Valuation	4	3:0:1	60	40	60	100
	DSE-401-B	Corporate Tax Structure and Planning						
Generic Elective (GE) (Any One) Elective From Other Department	GE-401-A	Land & Watershed Management	4	3:1:0	60	40	60	100
	GE-401-B	Basics of Social Legislation						
	GE-401-C	Basic Concepts of DBMS						
	GE-401-D	Indian Economy						
Ability Enhancement Course (AEC)	AEC-401	Professional Skills	4	3:0:1	60	40	60	100
Total			24		360	240	360	600



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**VII BACKLOG:**

1. A candidate will be permitted to proceed to the second and third trimester even though he/she fails in one or more subjects either of the first trimester or second trimester or both.
2. The students who have a backlog of not more than **four papers** in the First year examination will be eligible to be admitted to the Second year (IV<sup>th</sup> Trimester) of M.B.A.

A candidate will be permitted to proceed to the Fifth and Six Trimester even though he/she fails in one or more subjects either of the Fourth trimester or Fifth trimester or both respectively.

**Structure of M.B.A. – I Programme**  
(with effect from 2013-14) 2016-17

TRIMESTER – I					
Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
T-1.1	Human Resource Management-I	Full	2	30	100
T-1.2	IT for Managers-I	Full	2	30	100
T-1.3	Management Accounting-I	Full	2	30	100
T-1.4	Managerial Economics-I	Full	2	30	100
T-1.5	Organizational Behaviour	Full	2	30	100
T-1.6	Marketing Management – I	Full	2	30	100
T-1.7	Theory & Practice of Modern Business	Full	2	30	100
	BEC (Compulsory)				
	<b>TOTAL</b>		<b>14</b>	<b>210</b>	<b>700</b>

TRIMESTER – II					
Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
T-2.1	Business Law	Full	2	30	100
T-2.2	Financial Management-I	Full	2	30	100
T-2.3	Management Accounting-II	Full	2	30	100
T-2.4	Managerial Economics-II	Full	2	30	100
T-2.5	Quantitative Techniques – I	Full	2	30	100
T-2.6	Operations Management-I	Full	2	30	100
T-2.7	Human Resource Management – II (Seminar)	Full	2	30	100
	BEC (Compulsory)				
	<b>TOTAL</b>			<b>210</b>	<b>700</b>



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TRIMESTER – III					
Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
T-3.1	IT for Managers-II	Full	2	30	100
T-3.2	Marketing Management-II	Full	2	30	100
T-3.3	Quantitative Techniques-II	Full	2	30	100
T-3.4	Research Methods in Management	Full	2	30	100
T-3.5	Financial Management-II	Full	2	30	100
T-3.6	Operations Management-II	Full	2	30	100
T-3.7	Indian Social & Political Environment (Seminar)	Full	2	30	100
TOTAL			14	210	700
TOTAL OF FIRST YEAR			42	630	2100

**Structure of M.B.A. – II Programme  
(with effect from 2014-15)**

TRIMESTER – IV					
Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
T-4.1	Business Strategies-I	Full	2	30	100
T-4.2	Indian Economic Environment	Full	2	30	100
T-4.3	Operations Research-I	Full	2	30	100
T-4.4	Organizational Change & Development	Full	2	30	100
T-4.5	Project Management (Seminar)	Full	2	30	100
T-4.6	Elective – I – Specialization – I	Full	2	30	100
T-4.7	Elective – II – Specialization – II	Full	2	30	100
TOTAL			14	210	700

**Elective Papers - Specialization**

**Marketing Area :**

Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
M-I	Retail Management, Customer Relationship Management and Direct Marketing	Full	2	30	100

**Finance Area :**

Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
F-I	Security Analysis & Portfolio Management	Full	2	30	100



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**Human Resource Area:**

Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
HR-I	Strategic Human Resource Management	Full	2	30	100

**Production Area :**

Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
PR-I	Production Planning & Inventory Management	Full	2	30	100

**System Area :**

Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
S-I	Software Engineering and Project Management	Full	2	30	100

**Agri-Business Area :**

Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
AB-I	Agri Business Environment and Cooperation	Full	2	30	100

**TRIMESTER -V**

Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
T-5.1	Information Systems for Management	Full	2	30	100
T-5.2	International Finance	Full	2	30	100
T-5.3	Operations Research-II	Full	2	30	100
T-5.4	Event Management	Full	2	30	100
T-5.5	Global Business Environment	Full	2	30	100
T-5.6	Elective - I - Specialization - I	Full	2	30	100
T-5.7	Elective - II - Specialization - II	Full	2	30	100
	<b>TOTAL</b>		<b>14</b>	<b>210</b>	<b>700</b>

**Elective Papers - Specialization**

**Marketing Area :**

Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
M-II	Integrated Marketing Communication and Brand Management	Full	2	30	100

**Finance Area :**

Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
F-II	Management Accounting and Control System	Full	2	30	100



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Human Resource Area :

Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
HR-II	International HRM	Full	2	30	100

Production Area:

Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
PR-II	Manufacturing, Marketing and Supply Chain Coordination	Full	2	30	100

System Area:

Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
S-II	Information System Audit and Control	Full	2	30	100

Agri-Business Area:

Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
AB-II	Rural and Agricultural Marketing	Full	2	30	100

TRIMESTER - VI

Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
T-6.1	Entrepreneurship Development	Full	2	30	100
T-6.2	Business Strategies-II	Full	2	30	100
T-6.3	Business Communications at Work (Seminar) ✓	Full	2	30	100
T-6.4	Business Ethics	Full	2	30	100
T-6.5	Elective - I - Specialization - I	Full	2	30	100
T-6.6	Elective - II - Specialization - II	Full	2	30	100
TOTAL			12	180	600

Elective Papers - Specialization

Marketing Area :

Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
M-III	Global Marketing, Service Marketing and B2B Marketing	Full	2	30	100

Finance Area :

Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
F-III	Banks, Insurance and Project Appraisal	Full	2	30	100

Human Resource Area :

Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
HR-III	Human Resource Development	Full	2	30	100

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Production Area :

Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
PR-III	Contemporary Issues in Quality Management Systems	Full	2	30	100

System Area :

Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
S-III	Enterprise Resource Planning	Full	2	30	100

Agri-Business Area :

Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
AB-III	Agricultural Production Management	Full	2	30	100

Total of Compulsory and Elective Papers of IV, V & VI Trimester			40	600	2000
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Project Work :

Sr.No.	Title of the Paper	Credit	Points	Hours	Marks
✓	Project Work	Full	2	60 Days Training	100

Total of MBA - I			42	630 Hours	2100
Total of MBA-II			40	600 Hours	2000

Total of MBA Program			84	1230+60 Days Training	4200
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MKT - Fin ✓  
 MKT - HR ✓  
 MKT - PR ✓  
 MKT - SYS ✓  
 MKT - Agri ✓  
 Fin - HR ✓  
 Fin - PR ✓  
 Fin - SYS ✓  
 Fin - Agri ✓  
 HR - Prod ✓  
 HR - SYS ✓  
 HR - Agri ✓  
 Prod - SYS ✓  
 PR - Agri ✓



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sys - Agri

# MBA Programme Structure

Under C.B.C.S. Pattern  
With Effect from 2017-18 & 2018-19

## MBA-I Semester – I

Nature of Choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	✓ CC 1.1	Fundamentals of Marketing 101	4	60	40	60	100
	✓ CC 1.2	Organizational Behaviour 102	4	60	40	60	100
	✓ CC 1.3	Introduction to Operations Management 103	4	60	40	60	100
	✓ CC 1.4	Accounting for Managerial Decisions 104	4	60	40	60	100
	✓ CC 1.5	Managerial Economics 105	4	60	40	60	100
	✓ CC 1.6	I.T. for Managers 106	4	60	40	60	100
	✓ CC 1.7	Business Statistics 107	4	60	40	60	100
Discipline Specific Elective (DSE)	108 DSE1 (Any One)	1. ✓ Indian Economic Environment 2. ✓ Service Sector Management 3. ✓ Essentials of Modern Management	4	60	40	60	100
Generic Elective (GE)	109 GE 1 (Any One)	1. ✓ Environment and Development 2. ✓ Indian Social Problems & Services 3. ✓ Office Automation	4	60	40	60	100
<b>Total</b>			<b>36</b>	<b>540</b>	<b>360</b>	<b>540</b>	<b>900</b>

## MBA-I Semester-II

Nature of choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC 2.1	Research Methodology	4	60	40	60	100
	CC 2.2	Managerial Communication At Work	4	60	40	60	100
	CC 2.3	Financial Analysis and Decision Making	4	60	40	60	100
	CC 2.4	Managing Human Resources	4	60	40	60	100
	CC 2.5	Legal Frame work of Business	4	60	40	60	100
	CC 2.6	Entrepreneurship Development	4	60	40	60	100
Discipline Specific Elective (DSE)	DSE2 Any One	1. Information Systems for Managers 2. Family Business Management 3. Start Up & New Venture Management 4. Operation Research	4	60	40	60	100
Generic Elective (GE)	GE 2	1. Disaster Management 2. Social Welfare Administration 3. Management Information System	4	60	40	60	100
Ability Enhancement course (AEC)	AEC 1	1. Life Skills For Managers 2. Foreign Language (French/German/Japanese)	3	45	40	60	100
<b>Total</b>			<b>35</b>	<b>525</b>	<b>360</b>	<b>540</b>	<b>900</b>

### MBA-II Semester – III

Nature of choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC 3.1	International Business	4	60	40	60	100
	CC 3.2	Corporate Governance And Business Ethics	4	60	40	60	100
	CC 3.3	Strategic Management	4	60	40	60	100
	CC 3.4	Summer Inplant Training	4	50days + 30	40	60	100
	CC 3.5	Elective-I Paper-I	4	60	40	60	100
	CC 3.6	Elective-II Paper-I	4	60	40	60	100
Discipline Specific Elective (DSE)	DSE 3	Elective-I Paper-II	4	60	40	60	100
	DSE 4	Elective-II Paper-H	4	60	40	60	100
Generic Elective (GE)	GE3 (Any One)	1. Sustainable Agriculture 2. Counseling : Theory and Practice 3. CYBER Law	4	60	40	60	100
Ability Enhancement course (AEC)	AEC 2	Skill Development For Career Management	3	45	40	60	100
<b>Total</b>			<b>39</b>	<b>525</b>	<b>400</b>	<b>600</b>	<b>1000</b>

### MBA-II Semester – IV

Nature of choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC 4.1	Lean Management	4	60	40	60	100
	CC 4.2	Change Management	4	60	40	60	100
	CC 4.3	Event and Public Relation Management	4	60	40	60	100
	CC 4.4	Elective-I Paper-III	4	60	40	60	100
	CC 4.5	Elective-II Paper-III	4	60	40	60	100
Discipline Specific Elective (DSE)	DSE 5	Elective-I Paper-IV	4	60	40	60	100
	DSE 6	Elective-II Paper-IV	4	60	40	60	100
Generic Elective (GE)	GE 4	1. Occupational Health & Safety 2. Rural Economy 3. Software Development Selection and Procurement	4	60	40	60	100
Ability Enhancement course (AEC)	AEC 3	Advanced MS-Excel	3	45	40	60	100
<b>Total</b>			<b>35</b>	<b>525</b>	<b>360</b>	<b>540</b>	<b>900</b>

Semesters	Core Credits	DSE	GE	AEC	Total	Contact Hours	Total Marks
I	7 x 4 = 28	1 x 4 = 4	1 x 4 = 4	--	36	540	900
II	6 x 4 = 24	1 x 4 = 4	1 x 4 = 4	1 x 3 = 3	35	525	900
III	6 x 4 = 24	1 x 4 = 4 1 x 4 = 4	1 x 4 = 4	1 x 3 = 3	39	585	1000
IV	5 x 4 = 20	1 x 4 = 4 1 x 4 = 4	1 x 4 = 4	1 x 3 = 3	35	525	900
Total Marks	9600	2400	1600	900			3700
Total Credits	96	24	16	09	145	2175	
Percentage	66.21	16.55	11.03	6.21	100.00		

Note: Average Contact hours per semester are 543.75 hours.

Summary:

	No. of Papers
Core Courses	24
Discipline Specific	6
Generic Elective	4
Ability Enhancement Course	3
<b>Total</b>	<b>37 Papers</b>

#### Break of Internal Marks

Sr. No	Head	Marks Out of 40	Marks Out of 20
1.	Class Participation	04	02
2.	Field Based Project	10	05
3.	Moodle Test/Quiz	10	05
4.	Seminar	05	02
5.	Library Based Assignment	03	02
6.	Case Study (2 Per Paper)	05	02
7.	Book Reading (2/Semester)	03	02
	<b>Total</b>	<b>40</b>	<b>20</b>

## MBA Programme Structure

Under C.B.C.S. Pattern  
With Effect from 2019-20 *2020-21*

### MBA-I, Semester – I

Nature of Choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Component (CC)	CC 101	Perspectives of Management	4	60	40	60	100
	CC 102	Accounting for Managerial Decisions	4	60	40	60	100
	CC 103	Organizational Behaviour	4	60	40	60	100
	CC 104	Business Statistics	4	60	40	60	100
	CC 105	Fundamentals of Marketing	4	60	40	60	100
Discipline Specific Elective (DSE)	DSE101 (Any One)	DSE 101 (A) Service Sector Management DSE 101 (B) Family Business Management DSE 101 (C) IT for Managers <i>(not to be offered to students opting GE- Office Automation)</i>	4	60	40	60	100
Ability Enhancement Course (AEC)	AEC 101	Life Skills for Managers	2	30	20	30	50
Generic Elective (GE)	GE 101 (Any One)	GE 101 (A) Environment and Development GE 101 (B) Indian Social Problems & Services GE 101 (C) Office Automation GE 101 (D) Principles of Economics	4	60	40	60	100
		Total	30	450	300	450	750



*M. Name*



## MBA-I Semester-II

Nature of choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
<b>Core Component (CC)</b>	CC 201	Managerial Economics	4	60	40	60	100
	CC 202	Legal Framework of Business	2	30	20	30	50
	CC 203	Research Methodology	2	30	20	30	50
	CC 204	Financial Management	4	60	40	60	100
	CC 205	Managing Human Resource	4	60	40	60	100
	CC 206	Introduction to Operations Management	4	60	40	60	100
<b>Discipline Specific Elective (DSE)</b>	<b>DSE201 (Any One)</b>	DSE 201 (A) Event and Public Relations Management DSE 201 (B) Operations Research DSE 201 (C) Advanced MS-Excel	4	60	40	60	100
<b>Ability Enhancement Course (AEC)</b>	<b>AEC201 (Any One)</b>	AEC 201 (A) German AEC 201 (B) Japanese AEC 201 (C) French AEC 201 (D) Selling and Negotiation Skills AEC 201 (E) Leadership Building Lab. AEC 201 (F) Digital Marketing AEC 201 (G) Corporate Social Responsibility	2	30	20	30	50
<b>Generic Elective (GE)</b>	<b>GE 201 (Any One)</b>	GE 201 (A) Disaster Management GE 201 (B) Social Welfare Administration GE 201 (C) Management Information System GE 201 (D) Principles of Microeconomics	4	60	40	60	100
		<b>Total</b>	<b>30</b>	<b>450</b>	<b>300</b>	<b>450</b>	<b>750</b>

\*Value- Added Course on Oral Communication will be offered in Semester-II.



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### MBA-II Semester – III

Nature of choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
<b>Core Component (CC)</b>	CC 301	Strategic Management	4	60	40	60	100
	CC 302	Start-up and Entrepreneurship Development	4	60	40	60	100
	CC 303	Project report and Viva-voce	4	50days + 30	40	60	100
	CC-Spl-I-304 (Any Two)	CC-Spl-I-304 (A): International Trade And Finance	4	60	40	60	100
		CC-Spl-I-304 (B): Employee Relations And Labour Law	4	60	40	60	100
<b>Discipline Specific Elective (DSE)</b>	DSE-Spl-II-301 (Any Two)	DSE-Spl-II-301(A): Direct & Indirect Taxes	4	60	40	60	100
		DSE-Spl-II-301 (B): Strategic And International Human Resource Management					
		DSE-Spl-II-301 (C): Retailing, Service And Industrial Marketing					
		DSE-Spl-II-301 (D): Purchasing And Inventory Management					
		DSE-Spl-II-301 (E): Rural And Agricultural Marketing					
		DSE-Spl-II-301-(F): Information System Audit And Control					
<b>Ability Enhancement course (AEC)</b>	AEC-301	AEC-301-(A): Lean Management Techniques	2	30	20	30	50
		AEC-301-(B): Written Communication					
		AEC-301-(C): International Business					
		AEC-301-(D): Tally ACE					
		AEC-301-(E): Fundamentals of Tourism Management					
<b>Generic Elective (GE)</b>	GE-301 (Any One)	GE-301-(A) Sustainable Agriculture	4	60	40	60	100
		GE-301-(B) Fundamentals of Counseling					
		GE-301-(C) E commerce					
		GE-301 (D) Fundamentals of Macroeconomics					
			34	480	340	510	850



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## MBA-II Semester – IV

Nature of choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Component (CC)	CC 401	Business Ethics and Corporate Governance	4	60	40	60	100
	CC-Spl-I-402 (Any Two)	CC-Spl-I-402-(A) Management Accounting And Control System	4	60	40	60	100
		CC-Spl-I-402- (B) Corporate Psychology	4	60	40	60	100
		CC-Spl-I- 402-(C) Contemporary Issues In Marketing	4	60	40	60	100
		CC-Spl-I-402- (D) Modern Approaches To Quality Management	4	60	40	60	100
		CC-Spl-I-402-(E) Agri-Production And Supply Chain Management	4	60	40	60	100
		CC-Spl-I-402-(F) Applied Data Science And Business Analytics Using R	4	60	40	60	100
Discipline Specific Elective (DSE)	DSE-Spl-II-401 (Any Two)	DSE-Spl-II-401- (A) Investment And Portfolio Management	4	60	40	60	100
		DSE-Spl-II- 401(B) Talent And Human Capital Management	4	60	40	60	100
		DSE-Spl-II-401-(C) Marketing Strategy, CRM And Retail Marketing	4	60	40	60	100
		DSE-Spl-II-401-(D) Project Management	4	60	40	60	100
		DSE-Spl-II-401-(E) Agri-Commodity Markets And Agri-Business.	4	60	40	60	100
		DSE-Spl-II-401-(F) Software Engineering And I.T. Project Management	4	60	40	60	100
Ability Enhancement course (AEC)	AEC-401	Change Management	2	30	20	30	50
Generic Elective (GE)	GE-401	GE401- (A)Land and Watershed Management GE- 401- (B)Basics of Social Legislation GE- 401-(C)Basic Concepts of DBMS GE- 401- (D) Indian Economy	4	60	40	60	100
<b>Total</b>			<b>26</b>	<b>390</b>	<b>260</b>	<b>390</b>	<b>650</b>



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**MBA Programme Structure  
(Banking and Financial Services)**

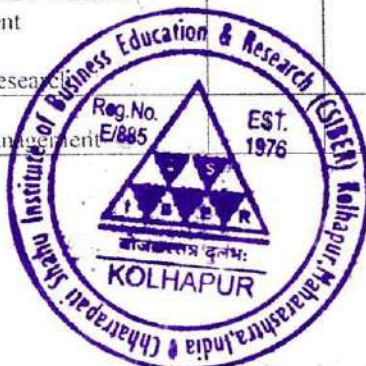
Under C.B.C.S. Pattern  
With Effect from 2017-18

MBA-I Semester - I

Nature of Choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC 1.1 ✓	Banking Operations	4	60	40	60	100
	CC 1.2 ✓	Financial Markets and Services	4	60	40	60	100
	CC 1.3 ✓	Insurance, Banking and Project Management	4	60	40	60	100
	CC 1.4 ✓	Accounting for Managerial Decisions	4	60	40	60	100
	CC 1.5 ✓	Managerial Economics	4	60	40	60	100
	CC 1.6 ✓	I.T. for Managers	4	60	40	60	100
	CC 1.7 ✓	Business Statistics	4	60	40	60	100
Discipline Specific Elective (DSE)	DSE1 (Any One)	1. Indian Economic Environment 2. Service Sector Management ✓ 3. Essentials of Modern Management ✓	4	60	40	60	100
Generic Elective (GE)	GE 1 (Any One)	1. Environment and Development ✓ 2. Indian Social Problems & Services ✓ 3. Office Automation ✓	4	60	40	60	100
<b>Total</b>			<b>36</b>	<b>540</b>	<b>360</b>	<b>540</b>	<b>900</b>

MBA-I Semester-II

Nature of choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC 2.1 ✓	Research Methodology ✓	4	60	40	60	100
	CC 2.2 ✓	Managerial Communication At Work ✓	4	60	40	60	100
	CC 2.3 ✓	Financial Analysis and Decision Making ✓	4	60	40	60	100
	CC 2.4 ✓	Managing Human Resources ✓	4	60	40	60	100
	CC 2.5 ✓	Legal Framework of Business ✓	4	60	40	60	100
	CC 2.6 ✓	Retail Banking ✓	4	60	40	60	100
Discipline Specific Elective (DSE)	DSE2 Any One	1. Information Systems for Managers ✓ 2. Family Business Management ✓ 3. Start Up & New Venture Management ✓ 4. Operation Research ✓	4	60	40	60	100
Generic Elective (GE)	GE 2	1. Disaster Management ✓	4	60	40	60	100



		2. Social Welfare Administration ✓ 3. Management Information System ✓					
Ability Enhancement Course (AEC)	AEC 1	1. Life Skills For Managers 2. Foreign Language (French/German/Japanese)	3 2	45	40	60	100
Total			35 30	525	360	540	900

MBA-II Semester – III

Nature of choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC 3.1	Organizational Behaviour	4	60	40	60	100
	CC 3.2	Fundamentals of Marketing	4	60	40	60	100
	CC 3.3	Equity Markets	4	60	40	60	100
	CC 3.4	Summer Inplant Training	4	50days + 30	40	60	100
	CC 3.5	Bank Financial Management	4	60	40	60	100
	CC 3.6	Legal Aspects of Banking	4	60	40	60	100
Discipline Specific Elective (DSE) (Any Two)	DSE 3	E-Banking	4	60	40	60	100
	DSE 4	Security Analysis and Portfolio Management	4	60	40	60	100
	DSE 5	Ethics and Corporate Governance in Banks	4	60	40	60	100
Generic Elective (GE)	GE3 (Any One)	1. Sustainable Agriculture 2. Counseling : Theory and Practice 3. CYBER Law	4	60	40	60	100
Ability Enhancement course (AEC)	AEC 2	Skill Development For Career Management	3 2	45	40	60	100
Total			39 37	525	400	600	1000

MBA-II Semester – IV

Nature of choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC 4.1	Rural Banking and Financial Inclusion	4	60	40	60	100
	CC 4.2	Derivatives Markets	4	60	40	60	100
	CC 4.3	Bank Risk Management	4	60	40	60	100
	CC 4.4	International Banking and Forex Management	4	60	40	60	100
	CC 4.5	Entrepreneurship Development	4	60	40	60	100
Discipline Specific Elective (DSE) (Any Two)	DSE 6	Currency and Treasury Management	4	60	40	60	100
	DSE 7	Investment Banking	4	60	40	60	100
	DSE 8	Money Market and Derivatives	4	60	40	60	100



		and Venture Capital					
	DSE 9	Marketing of Financial Services	4	60	40	60	100
Generic Elective (GE)	GE 4	1. Occupational Health & Safety 2. Rural Economy 3. Software Development Selection and Procurement	4	60	40	60	100
Ability Enhancement course (AEC)	AEC 3	Advanced MS-Excel	3	45	40	60	100
		Total	35	525	360	540	900

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Semesters	Core Credits	DSE	GE	AEC	Total	Contact Hours	Total Marks
I	7 x 4 = 28	1 x 4 = 4	1 x 4 = 4	--	36	540	900
II	6 x 4 = 24	1 x 4 = 4	1 x 4 = 4	1 x 3 = 3	35	525	900
III	6 x 4 = 24	1 x 4 = 4 1 x 4 = 4	1 x 4 = 4	1 x 3 = 3	39	585	1000
IV	5 x 4 = 20	1 x 4 = 4 1 x 4 = 4	1 x 4 = 4	1 x 3 = 3	35	525	900
Total Marks	9600	2400	1600	900			3700
Total Credits	96	24	16	09	145	2175	
Percentage	66.21	16.55	11.03	6.21	100.00		

Note: Average Contact hours per semester are 543.75 hours.

Summary:

	No. of Papers
Core Courses	24
Discipline Specific	6
Generic Elective	4
Ability Enhancement Course	3
Total	37 Papers

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## MBA Programme (Banking and Financial Services)

Under C.B.C.S. Pattern

With Effect from 2019-20 2 2020 21

### MBA-I (Banking and Financial Services), Semester – I

Nature of Choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Component (CC)	CC 101	Banking Operations	4	60	40	60	100
	CC 102	Banking and Project Management	4	60	40	60	100
	CC 103	Accounting for Managerial Decisions	4	60	40	60	100
	CC 104	Fundamentals of Marketing	4	60	40	60	100
	CC 105	Business Statistics	4	60	40	60	100
Discipline Specific Elective (DSE)	DSE-101 (Any One)	DSE-101- (A) Service Sector Management DSE-101-(B) Family Business Management DSE-101-(C) IT for Managers <i>(not to be offered to GE Office Automation)</i>	4	60	40	60	100
Ability Enhancement Course (AEC)	AEC 101	Life Skills for Managers	2	30	20	30	50
Generic Elective (GE)	GE I (Any One)	GE 101 (A) Environment and Development GE 101 (B) Indian Social Problems & Services GE 101 (C) Office Automation GE 101 (D) Principles of Economics	4	60	40	60	100
<b>Total</b>			<b>30</b>	<b>450</b>	<b>300</b>	<b>450</b>	<b>750</b>

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## MBA-I (Banking and Financial Services), Semester-II

Nature of choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
<b>Core Component (CC)</b>	CC 201	Research Methodology	2	30	20	30	50
	CC 202	Legal Aspects of Banking	4	60	40	60	100
	CC 203	Financial Management	4	60	40	60	100
	CC 204	Organisational Behaviour and Managing Human Resources	4	60	40	60	100
	CC 205	Financial Markets And Services	2	30	20	30	50
	CC 206	Retail Banking	4	60	40	60	100
<b>Discipline Specific Elective (DSE)</b>	<b>DSE201 Any One</b>	DSE-201-A Event and Public Relations Management DSE-201-B Operations Research DSE-201-C Advanced Excel	4	60	40	60	100
<b>Ability Enhancement Course (AEC)</b>	<b>AEC 201 (Any One)</b>	AEC 201 (A) German AEC 201 (B) Japanese AEC 201 (C) French AEC 201 (D) Selling and Negotiation Skills AEC 201 (E) Leadership Building Lab. AEC 201 (F) Oral Communication AEC 201 (G) Digital Marketing AEC 201 (H) Corporate Social Responsibility	2	30	20	30	50
<b>Generic Elective (GE)</b>	<b>GE 2</b>	GE 201 (A) Disaster Management GE 201 (B) Social Welfare Administration GE 201 (C) Management Information System GE 201 (D) Principles of Microeconomics	4	60	40	60	100
<b>Total</b>			<b>30</b>	<b>450</b>	<b>300</b>	<b>450</b>	<b>750</b>

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MBA-I (Banking and Financial Services), Semester – III

Nature of choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Component (CC)	CC 301	Strategic Management	4	60	40	60	100
	CC 302	Business Ethics and Corporate Governance	4	60	40	60	100
	CC 303	Summer Inplant Training	4	50days + 30	40	60	100
	CC 304	Equity Markets	4	60	40	60	100
	CC-Spl-II-305 (Any One)	CC-Spl-II-305-(A): International Trade And Finance CC-Spl-II-305-(B): Employee Relations And Labour Law. CC-Spl-II-305-(C): IMC and Sales Management CC-Spl-II-305-(D): Logistics and Supply Chain Management CC-Spl-II-305-(E): Agri-Business, Entrepreneurship and Cooperatives CC-Spl-II-305-(F): Knowledge Management and ERP System.	4	60	40	60	100
Discipline Specific Elective (DSE)	DSE 301	Bank Financial Management	4	60	40	60	100
	DSE-Spl-II 302 (Any One)	DSE-Spl-II-302-(A): Direct & Indirect Taxes DSE-Spl-II-302-(B): Strategic And International Human Resource Management DSE-Spl-II-302-(C): Retailing, Service And Industrial Marketing DSE-Spl-II-302-(D): Purchasing And Inventory Management DSE-Spl-II-302-(E): Rural And Agricultural Marketing DSE-Spl-II-302-(F): Information System Audit And Control	4	60	40	60	100
Ability Enhancement course (AEC)	AEC-301	AEC-301-(A): Lean Management Techniques AEC-301-(B): Written Communication AEC-301-(C): International Business AEC-301-(D): Tally ACE	2	30	20	30	50



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		AEC-301-(E): Fundamentals of Tourism Management					
<b>Generic Elective (GE)</b>	<b>GE- 301</b>	GE-301-(A) Sustainable Agriculture GE-301-(B) Fundamentals of Counseling GE-301-(C) E commerce GE- 301 (D) Fundamentals of Macroeconomics	4	60	40	60	100
		<b>Total</b>	<b>34</b>	<b>480</b>	<b>340</b>	<b>510</b>	<b>850</b>

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**MBA-I (Banking and Financial Services), Semester – IV**

Nature of choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Component (CC)	CC 401	Currency and Treasury Management	4	60	40	60	100
	CC 402	Bank Risk Management	4	60	40	60	100
	CC-Spl-II-403 (Any one)	CC-Spl-II-403- (A) Management Accounting And Control System CC-Spl-II-403- (B) Corporate Psychology CC-Spl-II-403- (C) Contemporary Issues In Marketing CC-Spl-II-403- (D) Modern Approaches To Quality Management CC-Spl-II-403- (E) Agri-Production And Supply Chain Management CC-Spl-II-403- (F) Applied Data Science And Business Analytics Using R	4	60	40	60	100
Discipline Specific Elective (DSE)	DSE 401	International Banking and Forex Management	4	60	40	60	100
	DSE-Spl-II-402 (Any One)	DSE-Spl-II-402(A) Investment And Portfolio Management DSE-Spl-II- 402 (B) Talent And Human Capital Management DSE-Spl-II-402(C) Marketing Strategy, CRM And Retail Marketing DSE-Spl-II-402-(D) Project Management DSE-Spl-II-402 (E) Agri-Commodity Markets And Agri-Business. DSE-Spl-II-402(F) Software Engineering And I.T. Project Management	4	60	40	60	100
Ability Enhancement course (AEC)	AEC 401	Rural Banking and Financial Inclusion	2	30	20	30	50
Generic Elective (GE)	GE401	Water and Environmental Management	4	60	40	60	100

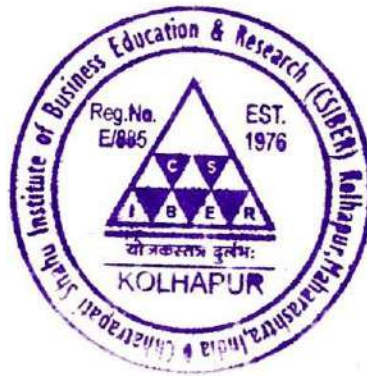


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		GE- 401-(C)Basic Concepts of DBMS 1. GE- 401- (D) Indian Economy					
		<b>Total</b>	26	390	260	390	650

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## Revised Structure of MBA (Business Analytics)

(With Effect from 2018-19)

M. B. A. - I Year

MBA-I Semester – I							
Nature of choice	Course Code	Course name	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC 1.1	Marketing Management ✓	4	60	40	60	100
	CC 1.2	Organizational Behavior ✓	4	60	40	60	100
	CC 1.3	Introduction to Operations Management ✓	4	60	40	60	100
	CC 1.4	Accounting for Managerial Decisions ✓	4	60	40	60	100
	CC 1.5	Foundations in Mathematics and statistics ✓	4	60	40	60	100
	CC 1.6	Economics for analyst ✓	4	60	40	60	100
	CC 1.7	Database Management Systems ✓	4	60	40	60	100
105 Discipline Specific Elective (DSE) ✓	DSE1 (Any One)	1. Programming fundamentals and R ✓ 2. Programming fundamentals and Python ✓	4	60	40	60	100
111 Generic Elective (GE) ✓	GE 1(Any One)	1. Environment and Development ✓ 2. Indian Social Problems & Services ✓ 3. Office Automation ✓	4	60	40	60	100
Total			36	540	360	540	900



MBA-I Semester-II							
Nature of choice	Course Code	Course name	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC 2.1	Research Methodology	4	60	40	60	100
	CC 2.2	Operations Research	4	60	40	60	100
	CC 2.3	Data Warehousing and Data mining	4	60	40	60	100
	CC 2.4	Managing Human Resources	4	60	40	60	100
	CC 2.5	Data Exploration & Visualization	4	60	40	60	100
	CC 2.6	Managerial Communication at work	4	60	40	60	100
Discipline Specific Elective (DSE)	DSE2 Any One	1. Simulation Modeling and Expert Systems 2. Startup and new venture Management	4	60	40	60	100
Generic Elective (GE)	GE 2	1. Disaster Management 2. Social Welfare Administration 3. Management Information System	4	60	40	60	100
Ability Enhancement course (AEC)	AEC 1	Life Skills for Managers	3	45	40	60	100
<b>Total</b>			<b>35</b>	<b>525</b>	<b>360</b>	<b>540</b>	<b>900</b>



MBA-II Semester – III							
Nature of choice	Course Code	Course name	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC 3.1	Strategic Management	4	60	40	60	100
	CC 3.2	Machine Learning	4	60	40	60	100
	CC 3.3	Big Data Analytics	4	60	40	60	100
	CC 3.4	Summer In plant Training	4	50days + 30	50	50	100
	CC 3.5	Marketing Analytics	4	60	40	60	100
	CC 3.6	Investment Analytics and Portfolio Management	4	60	40	60	100
Discipline Specific Elective (DSE)	DSE 3	Business Analytics using R	4	60	40	60	100
	DSE 4	LAB based on CC3.3	4	60	40	60	100
Generic Elective (GE)	GE3 (Any One)	1. Sustainable Agriculture 2. Counseling : Theory and Practice 3. CYBER Law	4	60	40	60	100
Ability Enhancement course (AEC)	AEC 2	Skills Development For Career Management	3	45	40	60	100
<b>Total</b>			<b>39</b>	<b>525</b>	<b>410</b>	<b>590</b>	<b>1000</b>

MBA-II Semester – IV							
Nature of choice	Course Code	Course name	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC 4.1	Social Media nalytics	4	60	40	60	100
	CC 4.2	Ethical & Legal Consideration in Business Analytics	4	60	40	60	100
	CC 4.3	Advanced Analytics	4	60	40	60	100
	CC 4.4	Cloud Computing	4	60	40	60	100
	CC 4.5	Operational Analytics	4	60	40	60	100
Discipline Specific Elective (DSE)	DSE 6	HR Analytics	4	60	40	60	100
	DSE 7	Business Analytics Project	4	60	40	60	100
Generic Elective (GE)	GE 4	1. Occupational Health & Safety 2. Rural Economy 3. Software Development Selection and Procurement	4	60	40	60	100
Ability Enhancement course (AEC)	AEC 3	Advanced Excel	3	45	40	60	100
<b>Total</b>			<b>35</b>	<b>525</b>	<b>360</b>	<b>540</b>	<b>900</b>



## STRUCTURE FOR MBA (Business Analytics)

To be implemented from

Academic year 2019-20 ~~2020-21~~

### MBA-I (Business Analytics), Semester I

Nature of Choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Component (CC)	CC- 101	Principles of Management and Organizational Behavior	4	60	40	60	100
	CC- 102	Accounting for Managerial Decisions	4	60	40	60	100
	CC- 103	Database Management Systems	4	60	40	60	100
	CC- 104	Foundations in Mathematics and statistics	4	60	40	60	100
	CC- 105	Fundamentals of Marketing	4	60	40	60	100
Discipline Specific Elective (DSE)	DSE-101 ( Any One)	DSE- 101- (A) Programming fundamentals and R DSE- 101- (B) Programming fundamentals and Python	4	60	40	60	100
Ability Enhancement Course(AEC)	AEC- 101	AEC- 101 Life Skills for Managers	2	30	20	30	50
Generic Elective (GE)	GE- 101 (Any One)	GE 101 (A) Environment and Development GE 101 (B) Indian Social Problems & Services GE 101 (C) Office Automation GE 101 (D) Principles of Economics	4	60	40	60	100
<b>Total</b>			<b>30</b>	<b>450</b>	<b>300</b>	<b>450</b>	<b>750</b>





## MBA-I (Business Analytics), Semester II

Nature of choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Component (CC)	CC-201	Economics for Analysts	2	30	20	30	50
	CC- 202	Managing Human Resource	4	60	40	60	100
	CC- 203	Research Methodology	2	30	20	30	50
	CC- 204	Data Warehousing and Data Mining	4	60	40	60	100
	CC- 205	Operations Research	4	60	40	60	100
	CC- 206	Data Exploration and Data Visualisation	4	60	40	60	100
Ability Enhancement Course (AEC)	AEC-201  (Any One)	<b>List of choices:</b> AEC-201-A German AEC- 201-B Japanese AEC-201- C French AEC-201-D Selling and Negotiation Skills AEC-201-E Leadership - Building Lab. AEC-201-F Oral Communication AEC-201-G Digital Marketing AEC-201-H Corporate Social Responsibility	2	30	20	30	50
Discipline Specific Elective (DSE)	DSE-201  (Any One)	DSE -201- Simulation Modeling and Expert Systems	4	60	40	60	100
Generic Elective (GE)	GE-201	GE 201 (A) Disaster Management GE 201 (B) Social Welfare Administration GE 201 (C) Management Information System GE 201 (D) Principles of Microeconomics	4	60	40	60	100
		<b>Total</b>	<b>30</b>	<b>450</b>	<b>300</b>	<b>450</b>	<b>750</b>



### MBA-II (Business Analytics), Semester III

Nature of choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
<b>Core Component (CC)</b>	CC-301	Strategic Management	4	60	40	60	100
	CC-302	Cloud Computing	4	60	40	60	100
	CC-303	Project Report and Viva-Voce	4	50days +30 for SIP report guidance	40	60	100
	CC-304	Machine Learning	4	60	40	60	100
	CC-Spl-II-305 (Any One)	CC-Spl-II-305- (A): International Trade And Finance CC- Spl-II-305-(B): Employee Relations And Labour Law. CC-Spl-II-305-(C): IMC and Sales Management CC-Spl-II-305-(D): Logistics and Supply Chain Management CC-Spl-II-305-(E): Agri-Business, Entrepreneurship and Cooperatives CC-Spl-II-305-(F): Knowledge Management and ERP System.	4	60	40	60	100
	DSE-301	Business Analytics using R	4	60	40	60	100
	DSE-Spl-II-302 (Any One)	DSE-Spl-II-302-(A): Direct & Indirect Taxes DSE-Spl-II-302-(B): Strategic And International Human Resource Management DSE-Spl-II-302-(C): Retailing, Service And Industrial Marketing DSE-Spl-II-302-(D): Purchasing And Inventory Management DSE-Spl-II-302-(E): Rural And Agricultural Marketing DSE-Spl-II-302-(F): Information System Audit and Control	4	60	40	60	100



Ability Enhancement course (AEC)	AEC- 301 (Any One)	AEC 301 (A): Lean Management Techniques AEC 301 (B): Written Communication AEC 301 (C): International Business AEC 301 (D): Tally and GST AEC 301 (E): Fundamentals of Tourism Management	2	30	20	30	50
Generic Elective (GE)	GE-301 (Any One)	GE-301-(A) Sustainable Agriculture GE-301-(B) Fundamentals of Counseling GE-301-(C) E commerce GE- 301 (D) Fundamentals of Macroeconomics	4	60	40	60	100
		<b>Total</b>	<b>34</b>	<b>480</b>	<b>340</b>	<b>510</b>	<b>850</b>



## MBA-II (Business Analytics), Semester IV

Nature of choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Component (CC)	CC 401	Big Data Analytics	4	60	40	60	100
	CC-402	Social Media Analytics	4	60	40	60	100
	CC-Spl-II-403 (Any One)	CC-Spl-II-403- (A) Management Accounting And Control System CC-Spl-II-403- (B) Corporate Psychology CC-Spl-II-403- (C) Contemporary Issues In Marketing CC-Spl-II-403- (D) Modern Approaches To Quality Management CC-Spl-II-403- (E) Agri-Production And Supply Chain Management CC-Spl-II-403- (F) Applied Data Science And Business Analytics Using R	4	60	40	60	100
Discipline Specific Elective (DSE)	DSE-401	Analytics for Business Decisions	4	60	40	60	100
	DSE-Spl-II-402 (Any One)	DSE-Spl-II-402(A) Investment And Portfolio Management DSE-Spl-II-402 (B) Talent And Human Capital Management DSE-Spl-II-402 (C) Marketing Strategy, CRM And Retail Marketing DSE-Spl-II-402(D) Project Management DSE-Spl-II-402(E) Agri-Commodity Markets And Agri-Business. DSE-Spl-II-402(F) Software Engineering And I.T. Project Management	4	60	40	60	100



Ability Enhancement course (AEC)	AEC-401	Change Management	2	30	20	30	50
Generic Elective (GE)	GE-401	GE401- (A) Land and Watershed Management GE- 401- (B) Basics of Social Legislation GE- 401-(C) Basic Concepts of DBMS GE- 401- (D) Indian Economy	4	60	40	60	100
		<b>Total</b>	<b>26</b>	<b>390</b>	<b>260</b>	<b>390</b>	<b>650</b>



Revised Structure of MBA (Environment Management)

M. B. A. - I Year

(Implemented from 2013-14)

2016-17

Trimester - I

Subject Code	Subject	Full Credits	Hours	Int. Marks	Ext. Marks	Total Marks
T 1.1 101	Introduction to Ecology and Environment	2	30	30	70	100
T 1.2 102	Natural Resources	2	30	30	70	100
T 1.3 103	Air Pollution	2	30	30	70	100
T 1.4 104	Theory & Practices of Modern Business	2	30	30	70	100
T 1.5 105	Production and Operations Management	2	30	30	70	100
T 1.6 106	Accounting for Managerial Decisions-I	2	30	30	70	100
T 1.7 107	Organizational Behaviour	2	30	30	70	100
T 1.8	Practical	2	30	30	70	100
Total Credits		16	240	240	560	800

Trimester - II

Subject Code	Subject	Full Credits	Hours	Int. Marks	Ext. Marks	Total Marks
T 2.1 109	Water and Soil Pollution	2	30	30	70	100
T 2.2 110	Energy Resource Management	2	30	30	70	100
T 2.3 111	Environmental Microbiology and Biotechnology	2	30	30	70	100
T 2.4 112	Managing Human Resources	2	30	30	70	100
T 2.5 113	Green Marketing	2	30	30	70	100
T 2.6 114	Accounting for Managerial Decisions-II	2	30	30	70	100
T 2.7 115	Information Technology Tools for Managers	2	30	30	70	100
T 2.8 116	Practical	2	30	30	70	100
Total Credits		16	240	240	560	800



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Trimester – III

Subject Code	Subject	Full Credits	Hours	Int. Marks	Ext. Marks	Total Marks
T 3.1	Environmental Engineering and Design	2	30	30	70	100
T 3.2	Management of Industrial and Civic Wastes	2	30	30	70	100
T 3.3	Industrial Safety, Health and Environment	2	30	30	70	100
T 3.4	Managerial Economics	2	30	30	70	100
T 3.5	Legal Frame work of Business	2	30	30	70	100
T 3.6	Statistical Methods	2	30	30	70	100
T 3.7	Research Methods in Management	2	30	30	70	100
T 3.8	Practical	2	30	30	70	100
Total Credits		16	240	240	560	800

M.B.A. II Year

Trimester – IV

Subject Code	Subject	Full Credits	Hours	Int. Marks	Ext. Marks	Total Marks
T 4.1	Environmental Education, Policy and Legislation	2	30	30	70	100
T 4.2	Remote Sensing and Geographical Information System(GIS)	2	30	30	70	100
T 4.3	Environmental Toxicology and Agriculture	2	30	30	70	100
T 4.4	Business Strategies	2	30	30	70	100
T 4.5	Indian Economic Environment	2	30	30	70	100
T 4.6	Elective Paper-I (M-I/ F-I/HR-I/ PR-I/S-I/AB-I)	2	30	30	70	100
T 4.7	Practical	2	30	30	70	100
Total Credits		14	210	210	490	700



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Trimester – V

Subject Code	Subject	Full Credits	Hours	Int. Marks	Ext. Marks	Total Marks
T 5.1	Corporate Environmental Strategies	2	30	30	70	100
T 5.2	Forest and Wildlife Management	2	30	30	70	100
T 5.3	Environmental Impact Assessment	2	30	30	70	100
T 5.4	Operation Research for Managers	2	30	30	70	100
T 5.5	Global Business Environment	2	30	30	70	100
T 5.6	Contemporary Issues in Project Management Systems	2	30	30	70	100
T 5.7	Elective Paper-II (M-II/ F-II/HR-II/ PR-II/ S-II/AB-II)	2	30	30	70	100
T 5.8	Practical	2	30	30	70	100
Total Credits		16	240	240	560	800

Trimester – VI

Subject Code	Subject	Full Credits	Hours	Int. Marks	Ext. Marks	Total Marks
T 6.1	Land and Water Management	2	30	30	70	100
T 6.2	Environmental Management System	2	30	30	70	100
T 6.3	Disaster Management	2	30	30	70	100
T 6.4	Environmental Economics	2	30	30	70	100
T 6.5	Entrepreneurship Development	2	30	30	70	100
T 6.6	Business Ethics	2	30	30	70	100
T 6.7	Elective Paper-III (M-III, F-III,HR-III, PR-III,S-III,AB-III)	2	30	30	70	100
T 6.8	Project (Summer Inplant Training)	2	60 days	30	70	100
Total Credits		16	210 + 60 days	240	560	800

Total Credit Points: 26

Trimesters	Trim. I	Trim. II	Trim. III	Trim. IV	Trim. V	Trim. VI	Total
Credit Points	16	16	16	14	16	16	94
Marks	800	800	800	700	800	800	4700



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**CBCS Structure of MBA (Environment Management)**  
**(Implemented from 2017-18) २०१७-१९**  
**M. B. A. - I Year**

Semester – I

Nature of Choice Base	Choice Code	Subject	Total Credits	Credit pattern L : T : P	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC1.1	Introduction to Ecology and Natural Resources	4	3: 0.5: 0.5	60	40	60	100
	CC 1.2	Air and Noise Pollution	4	3: 0.5: 0.5	60	40	60	100
	CC1.3	Practical	4	1: 0 : 3.0	60	40	60	100
	CC 1.4	Organizational Behavior and Human Resource Management	4	3: 0.5: 0.5	60	40	60	100
	CC 1.5	Green Marketing	4	3: 0.5: 0.5	60	40	60	100
	CC1.6	Fundamentals of Operations Management	4	3: 0.5: 0.5	60	40	60	100
Discipline Specific Elective (DSE)	DSE1 (Any One)	1 Information Technology for Managers 2 Indian Economic Environment 3 Service Sector Management 4 Essentials of Modern Management	4	3: 0.5: 0.5	60	40	60	100
Generic Elective Course (GE)	GE 1 (Any one elective paper from other department courses)	1. Fundamentals of Management 2. Office Automation 3. Indian Social Problems and Social Services	4	3: 0.5: 0.5	60	40	60	100
Ability Enhancement Courses (AEC)	AEC 1	Managerial Communication at work	3	3: 0.5: 0.5	45	40	60	100
Total Credits			35		525	360	540	900



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Semester – II

Nature of Choice Base	Subject Code	Subject	Full Credits	Credit pattern L : T : P	Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (cc)	CC 2.1	Water and Soil Pollution	4	3: 0.5: 0.5	60	40	60	100
	CC 2.2	Environmental Engineering & Design	4	3: 0.5: 0.5	60	40	60	100
	CC 2.3	Practical	4	1: 0 : 3.0	60	40	60	100
	CC 2.4	Accounting for Managerial Decisions	4	3: 0.5: 0.5	60	40	60	100
	CC 2.5	Business statistics	4	3: 0.5: 0.5	60	40	60	100
	CC 2.6	Legal Frame work of Business	2	1.5:0.25:0.25	30	20	30	50
	CC 2.7	Research Methodology	2	1.5:0.25:0.25	30	20	30	50
Discipline Specific Elective (DSE)	DSE 2 (Any One)	1. Environmental Microbiology & Biotechnology 2. Energy Resource Management & Environmental Toxicology 3. Disaster Management 4. Operations Research	4	3: 0.5: 0.5	60	40	60	100
Generic Elective Course (GE)	GE 2 (Any one elective paper from other department courses )	1. Fundamentals of Accounting 2. Management Information System 3. Social Welfare Administration	4	3: 0.5: 0.5	60	40	60	100
Ability Enhancement Courses (AEC)	AEC 2	Foreign languages ( German / Japanese/French )	3	2.5: 0.25: 0.25	45	40	60	100
Total Credits			35		525	360	540	900



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Semester – III

Nature of Choice Base	Subject Code	Subject	Full Credits	Credit pattern L : T : P	Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC 3.1	Corporate Environmental Strategies and Forest & Wildlife Management	4	3: 0.5: 0.5	60	40	60	100
	CC 3.2	EIA and Environmental Legislation	4	3: 0.5: 0.5	60	40	60	100
	CC 3.3	Environment Management System (ISO 14001) . Safety ( OHSAS 18001) . QMS ( 9001) audit.	4	3: 0.5: 0.5	60	40	60	100
	CC 3.4	Managerial Economics	4	3: 0.5: 0.5	60	40	60	100
	CC 3.5	International Business	4	3: 0.5: 0.5	60	40	60	100
	CC 3.6	Any One (M-I / F-I /HR-I / PR-I / S-I /AB-I)	4	3: 0.5: 0.5	60	40	60	100
Discipline Specific Elective (DSE)	DSE 3 ( Specializations)	Any One Elective Paper- (M-II / F-II /HRII / PR- II / S- II /AB- II)	4	3: 0.5: 0.5	60	40	60	100
	DSE 4	Summer Inplant Project	4	1: 0 : 3.0	60 ( 50 days)	40	60	100
Generic Elective (GE)	GE 3 (Any one elective paper from other department courses )	1. Agribusiness Environment & Cooperation 2. Cyber Laws 3. Counseling : Theory & Practices	4	3: 0.5: 0.5	60	40	60	100
Ability Enhancement Courses (EC)	AEC 3	Skill Development for Career Management	3	2.5: 0.25: 0.25	45	40	60	100
Total Credits			39		585	400	600	1000

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Semester – IV

Nature of Choice Base	Subject Code	Subject	Full Credits	Credit pattern L : T : P	Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC 4.1	Remote Sensing and Geographical Information System(GIS)	4	3: 0.5: 0.5	60	40	60	100
	CC 4.2	Land and Water Management	4	3: 0.5: 0.5	60	40	60	100
	CC 4.3	Management of Industrial and Civic Wastes	4	3: 0.5: 0.5	60	40	60	100
	CC 4.4	Practical	4	1: 0 : 3.0	60	40	60	100
	CC 4.5	Business Strategies	2	1.5:0.25:0.25	30	20	30	50
	CC 4.6	Lean Management	2	1.5:0.25:0.25	30	20	30	50
	CC 4.7	Entrepreneurship Development	4	3: 0.5: 0.5	60	40	60	100
	CC 4.8	Any one Paper- (M-III/ F-III/HR-III/ PR-III/ S-III/AB-III)	4	3: 0.5: 0.5	60	40	60	100
Discipline Specific Elective (DSE)	DSE 5	Any One Elective Paper- (M-IV/ F-IV/HR-IV/ PR-IV/ S-IV/AB-IV)	4	3: 0.5: 0.5	60	40	60	100
Generic Elective (AEC)	GE4	1. Business Ethics 2. Software Development, Selection & Procurement 3. Rural Economy	4	3: 0.5: 0.5	60	40	60	100
Ability Enhancement Courses (AEC)	AEC4	Advance MS -Excel	3	3: 0.5: 0.5	45	40	60	100
<b>Total Credits</b>			<b>39</b>		<b>585</b>	<b>400</b>	<b>600</b>	<b>1000</b>

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Semesters	Core Credits	DSE	GE	AEC	Total Credits	Contact Hours	Total marks
I	6 x 4 = 24	1 x 4 = 4	1 x 4 = 4	1 x 3 = 3	35	525	900
II	6 x 4 = 24	1 x 4 = 4	1 x 4 = 4	1 x 3 = 3	35	525	900
III	6 x 4 = 24	1 x 4 = 4 1 x 4 = 4	1 x 4 = 4	1 x 3 = 3	39	585	1000
IV	7 x 4 = 28	1 x 4 = 4	1 x 4 = 4	1 x 3 = 3	39	585	1000
<b>Total</b>	<b>100</b>	<b>20</b>	<b>16</b>	<b>12</b>	<b>148</b>	<b>2220</b>	<b>3800</b>
Percentage	67.56	13.51	10.81	8.1	100		

Note: Average Contact hours per semester are 555 contact hours.

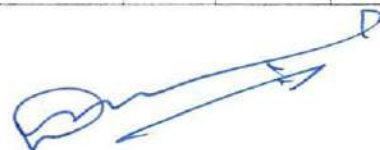
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**CBCS Structure of MBA (Environment Management)**  
**(Implemented from 2019-20)**  
**M. B. A. - I Year**

**Semester – I**

Nature of Choice Base	Choice Code	Name of the Subject	Total Credits	L:T:P	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC101	Introduction to Ecology and Natural Resources	4	3:0.5:0.5	60	40	60	100
	CC 102	Air and Noise Pollution	4	3:0.5:0.5	60	40	60	100
	CC103	Practical - I	4	1:0:3	60	40	60	100
	CC 104	Organizational Behavior and Human Resource Management	4	3:0.5:0.5	60	40	60	100
	CC105	Fundamentals of Marketing	4	3:0.5:0.5	60	40	60	100
Discipline Specific Elective (DSE)	DSE101 (Any One)	DSE-101-A: Service Sector Management  DSE-101-B: Family Business Management  DSE-101- C: Information Technology for Managers <i>(Students enrolling for DSE 101-C are not eligible for GE 101-B)</i>	4	3:0.5:0.5	60	40	60	100
Generic Elective Course (GE)	GE 101 (Any one elective paper from other department courses )	GE-101-A: Fundamentals of Management  GE-101-B: Office Automation  GE-101-C: Indian Social Problems and Social Services  GE-101-D: Principles of Economics	4	3:0.5:0.5	60	40	60	100
Ability Enhancement Courses (AEC)	AEC 101	AEC- 101-A: Life skills for Managers	2	1.5:0.25:0.25	30	20	30	50
<b>Total Credits</b>			<b>30</b>		<b>450</b>	<b>300</b>	<b>450</b>	<b>750</b>



Semester – II

Nature of Choice Base	Subject Code	Name of the Subject	Full Credits	L:T:P	Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC 201	Water Pollution	4	3:0.5:0.5	60	40	60	100
	CC 202	Environmental Engineering & Design	4	3:0.5:0.5	60	40	60	100
	CC 203	Practical - II	4	1:0:3	60	40	60	100
	CC 204	Accounting for Managerial Decisions	4	3:0.5:0.5	60	40	60	100
	CC 205	Business statistics for Environment	4	3:0.5:0.5	60	40	60	100
	CC 206	Legal Frame work of Business	2	1.5:0.25:0.25	30	20	30	50
	CC 207	Research Methodology	2	1.5:0.25:0.25	30	20	30	50
Discipline Specific Elective (DSE)	DSE 201 (Any One)	DSE-201-A: Environmental Microbiology & Biotechnology  DSE-201-B: Energy Resource Management & Environmental Toxicology  DSE-201-C: Disaster Management	4	3:1:0	60	40	60	100
Generic Elective Course (GE)	GE 201 (Any one elective paper from other department courses)	GE-201-A: Fundamentals of Accounting  GE-201-B: Management Information System (MIS)  GE-201-C: Social Welfare Administration  GE-201-D: Principles of Microeconomics	4	3:0.5:0.5	60	40	60	100
Ability Enhancement Courses (AEC)	AEC 201	AEC-201-A: German AEC-201-B: Japanese AEC-201-C: French AEC-201-D: Selling and Negotiation Skills AEC-201-E: Remote sensing and GIS AEC-201-F: Oral Communication AEC-201-G: Forest Management	2	1.5:0.25:0.25	30	20	30	50
Total Credits			34		510	340	510	850



**CBCS Structure of MBA (Environment Management)**  
**(Implemented from 2019-20)**  
**M. B. A. - II Year**

Semester – III

Nature of Choice Base	Subject Code	Name of the Subject	Full Credits	L:T:P	Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC 301	Corporate Environmental Strategies	4	3:0.5:0.5	60	40	60	100
	CC 302	EIA and Environmental Legislation	4	3:0.5:0.5	60	40	60	100
	CC 303	Practical - III	4	1:0:3	60	40	60	100
	CC 304	Summer In plant Project	4	--	(50days training)	40	60	100
	CC 305 (Specializations)	<p><b>Any One</b></p> <p><b>CC-Spl-I-305-A:</b> International Trade and Finance</p> <p><b>CC-Spl-I-305-B:</b> Employee Relations and Labour Laws</p> <p><b>CC-Spl-305-C:</b> IMC and Sales Management</p> <p><b>CC-Spl-I-305-D:</b> Logistics and Supply Chain Management</p> <p><b>CC-Spl-I-305-E:</b> Agri-Business, Entrepreneurship and Cooperatives</p> <p><b>CC-Spl-I-305-F:</b> Knowledge Management and ERP System</p>	4	3:0.5:0.5	60	40	60	100



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Discipline Specific Elective (DSE)	DSE 301 (Specializations)	<p><b>Any One</b></p> <p><b>DSE-Spl-II-301-A:</b> Direct and Indirect Taxes</p> <p><b>DSE-Spl-II-301-B:</b> Strategic and International Human Resource Management</p> <p><b>DSE-Spl-II-301-C:</b> Retailing , Service and Industrial Marketing</p> <p><b>DSE-Spl-II-301-D:</b> Purchasing and Inventory Management</p> <p><b>DSE-Spl-II-301-E:</b> Rural and Agriculture Marketing</p> <p><b>DSE-Spl-II-301-F:</b> Information System Audit and Control</p>	4	3:0.5:0.5	60	40	60	100
Generic Elective (GE)	GE 301 (Any one elective paper from other department courses )	<p><b>GE-301-A:</b> Entrepreneurship Development</p> <p><b>GE-301-B:</b> E- Commerce</p> <p><b>GE-301-C:</b> Fundamentals of Counseling</p> <p><b>GE-301-D:</b> Fundamentals of Macroeconomics</p>	4	3:0.5:0.5	60	40	60	100
Ability Enhancement Courses (AEC)	AEC 301	<p><b>AEC-301- A:</b> International Business</p> <p><b>AEC 301B:</b>Fundamentals of Tourism Management</p> <p><b>AEC 301C:</b>Wildlife Management</p>	2	1.5:0.25:0.25	30	20	30	50
Total Credits			30		450	300	450	750





Semester – IV

Nature of Choice Base	Subject Code	Name of the Subject	Full Credits	L:T:P	Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses CC	CC 401	Land and Water management	4	3:0.5:0.5	60	40	60	100
	CC 402	Management of Industrial and Civic Wastes	4	3:0.5:0.5	60	40	60	100
	CC 403	Business Strategies	4	3:0.5:0.5	60	40	60	100
	CC 404 (Specialization)	<p>Any one</p> <p><b>CC-Spl-I-404-A:</b> Management Accounting and Control System</p> <p><b>CC-Spl-I-404-B:</b> Corporate Psychology</p> <p><b>CC-Spl-I-404-C:</b> Contemporary Issues in Marketing</p> <p><b>CC-Spl-I-404-D:</b> Modern Approaches to Quality Management</p> <p><b>CC-Spl-I-404-E:</b> Agri Production and Supply chain Management</p> <p><b>CC-Spl-I-404-F:</b> Applied Data Science and Business Analytics using R</p>	4	3:0.5:0.5	60	40	60	100
Discipline Specific Elective (DSE)	DSE 401	<p>Any One</p> <p><b>DSE-Spl-II-401-A:</b> Investment and Portfolio Management</p> <p><b>DSE-Spl-II-401-B:</b> Talent and Human Capital Management</p> <p><b>DSE-Spl-II-401-C:</b> Marketing Strategy, CRM and Rural Marketing</p> <p><b>DSE-Spl-II-401-D:</b> Project Management</p>	4	3:0.5:0.5	60	40	60	100



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		DSE-Spl-II-401-E: Agri Commodity Markets and Agri Business						
		DSE-Spl-II-401-F: Software Engineering and I. T. Project Management						
Generic Elective (GE)	GE401	GE-401-A: Business Ethics GE-401-B: Database Management System (DBMS) GE-401-C:Basics of Social Legislation GE-401-D: Indian Economy	4	3:0.5:0.5	60	40	60	100
Ability Enhancem ent Courses (AEC)	AEC 401	AEC-401-A: Sustainable Agriculture	2	1.5:0.25:0.25	30	20	30	50
		<b>Total Credits</b>	<b>26</b>		<b>390</b>	<b>260</b>	<b>390</b>	<b>650</b>

\*L stands for lectures, T for tutorial and P for practice

Note: I. Average Contact hours per semester are 450 contact hours.

Semesters	Core Credits	DSE	AEC	GE	Total Credits	Contact Hours	Total marks
I	5 x 4 = 20	1 x 4 = 4	1 x 2 = 2	1 x 4 = 4	30	450	750
II	5 x 4 = 20 2 x 2 = 4	1 x 4 = 4	1 x 2 = 2	1 x 4 = 4	34	510	850
III	5 x 4 = 20	1 x 4 = 4	1 X 2 = 2	1 x 4 = 4	30	450	750
IV	3 x 4 = 12 2 x 2 = 4	1x 4 = 4	1 x 2 = 2	1 x 4 = 4	26	390	650
Total	80	16	8	16	120	1800	3000
Percentage	66.66	13.33	6.66	13.33	100		



**MCA (Choice Based Credit System)**  
**(Under Faculty of Science)**  
**(Introduced from June 2016 and Onwards)**  
 To be implemented from the academic year 2016-2017

Semester – I							
Sr. No.	Subject Code	Subject Title	Internal Marks	External Marks	CP	Workload per Week	
						T	P
1	IT11	Computer Architecture	20	80	4	4	-
2	IT12	Programming with C	20	80	4	4	-
3	IT13	Database Management System	20	80	4	4	-
4	BM11	Principles & Practices of Management	20	80	4	4	-
5	MT11	Fundamental of Mathematics	20	80	4	4	-
6	CS11	Communication Skill –I	50		2	2	-
7	IT12L	LAB I (Programming in C)		100	4	-	4
8	IT13L	LAB II (Database Management System)		100	4	-	4
<b>Total</b>			<b>150</b>	<b>600</b>	<b>30</b>	<b>22</b>	<b>8</b>

Semester – II							
Sr. No.	Subject Code	Subject Title	Internal Marks	External Marks	CP	Workload per Week	
						T	P
1	IT21	Operating System	20	80	4	4	-
2	IT22	Data Structure	20	80	4	4	-
3	IT23	Object oriented Programming using C++	20	80	4	4	-
4	BM21	Accounting for Managers	20	80	4	4	-
5	MT21	Statistical Computing	20	80	4	4	-
6	MP21	Mini Project	50		2	2	-
7	IT22L	LAB III (Data Structure)		100	4	-	4
8	IT23L	LAB IV (Object oriented Programming using C++)		100	4	-	4
<b>Total</b>			<b>150</b>	<b>600</b>	<b>30</b>	<b>22</b>	<b>8</b>



*PD*

Semester – III							
Sr. No.	Subject Code	Subject Title	Internal Marks	External Marks	CP	Workload per Week	
						T	P
1	IT31	Software Engineering	20	80	4	4	-
2	IT32	Java Programming	20	80	4	4	-
3	IT33	Computer Networks	20	80	4	4	-
4	BM31	Management Support System	20	80	4	4	-
5	MT31	Probability and Combinatorics	20	80	4	4	-
6	CS31	Communication Skill –II	50		2	2	-
7	IT32L	LAB V (Java Programming)		100	4	-	4
8	IT33L	LAB VI (Open Source Languages)		100	4	-	4
Total			150	600	30	22	8

Semester – IV							
Sr. No.	Subject Code	Subject Title	Internal Marks	External Marks	CP	Workload per Week	
						T	P
1	IT41	Advance Java	20	80	4	4	-
2	IT42	Data Mining	20	80	4	4	-
3	IT4E	Elective I IT4E.1 Computer Graphics IT4E.2 Cloud Computing IT4E.3 Python Programming IT4E.4 Theory of Computation	20	80	4	4	-
4	BM41	Organizational Behavior	20	80	4	4	-
5	BM4E	Elective I BM4E.1 Entrepreneurship Development BM4E.2 Human Resource Management BM4E.3 Supply Chain Management BM4E.4 Performance Evaluation & Computer Centre Management	20	80	4	4	-
6	MP41	Mini Project	50		2	2	-
7	IT41L	LAB VII (Advance Java)		100	4	-	-
8	IT42L	LAB VIII (Data Mining)		100	4	-	-
Total			150	600	30	22	-

IT4E-2 - BM4E-4

IT4E-3 - ———



Semester – V							
Sr. No.	Subject Code	Subject Title	Internal Marks	External Marks	CP	Workload per Week	
						T	P
1	IT51	Artificial Intelligence and Applications	20	80	4	4	-
2	IT52	Advance Web Technology	20	80	4	4	-
3	IT5E	Elective II IT5E.1 Cryptography & Network security IT5E.2 Distribute Computing IT5E.3 Mobile Computing IT5E.4 Big Data Management	20	80	4	4	-
4	BM5E	Elective II BM5E.1 Management Information System BM5E.2 Knowledge Management BM5E.3 Software Project Management & Quality Assurance BM5E.4 Enterprise Resource Planning	20	80	4	4	-
5	MT51	Optimization Techniques	20	80	4	4	-
6	CS51	Industrial Seminar	50		2	2	-
7	IT51L	LAB IX (Artificial Intelligence and Applications)		100	4	-	4
8	IT52L	LAB X (Advance Web Technology)		100	4	-	4
Total			150	600	30	22	8

Semester – VI					
Sr. No.	Subject Code	Subject Title	Internal	External	CP
1	IT61	Project Work	200	300	20

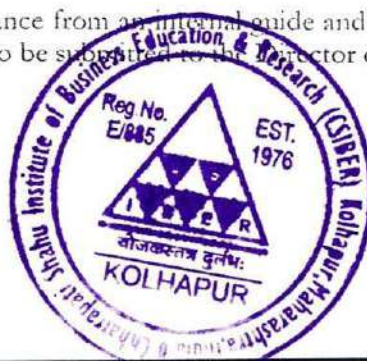
## 6. Teaching and Practical Scheme

1. Period for teaching or practical should be of 60 minutes each.
2. Minimum 45 periods should be conducted for each subject of 80 Marks.
3. One Practical Batch should be of 30 students.
4. Practical evaluation should be conducted before the commencement of University examination.

## 7. Project Work

At the end of the sixth semester of study, a student will be examined in the course "Project Work".

1. Project work may be done individually or in groups in case of bigger projects. However if project is done in groups, each student must be given a responsibility for a distinct module and care should be taken to see the progress of individual modules is independent of others.
2. Students should take guidance from an internal guide and prepare a Project Report on "Project Work" in 2 copies to be submitted to the Director of the Institute.



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Implemented from 2017  
M. C. A. - I Semester-I

Nature of choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	1 CC1.1 ✓	Computer Organization and architecture - CC-101	3:1:0	60	40	60	100
	2 CC 1.2 ✓	Software engineering CC-102	3:1:0	60	40	60	100
	3 CC1.3 ✓	Programming with 'C' CC-103	3:1:0	60	40	60	100
	4 CC 1.4 ✓	Web Design and Development CC-104	3:1:0	60	40	60	100
	5 Practcal-I ✓	Practical Based on CC1.3 CC-105	0:0:2	45	00	50	50
	6 Practcal-II ✓	Practical Based on CC1.4 CC-106	0:0:2	45	00	50	50
Discipline Specific Elective (DSE) ✓ DSE-107	DSE1 (Any One)	E-Commerce Ethical Hacking Fundamentals of Computer and Presentation Technologies DSE-108 ✓	3:1:0	60	40	60	100
Generic Elective (GE) GE-108	GE I (Any One)	Fundamentals of Management GE-108 ✓	3:1:0	60	40	60	100
		Environment & Development GE-109 ✓					
		Indian Social Problems and Services GE-110 ✓					
Ability Enhancement course (AEC) ✓ AEC-109	AEC 1	Business Communication AEC-109 ✓	2:1:0	45	40	60	100
<b>Total Credits</b>			<b>31</b>	<b>495</b>	<b>280</b>	<b>520</b>	<b>800</b>

Group ⇒

DSE 01	GE-01	AEC-00	}
DSE 01	GE-02	AEC-01	
DSE 01	GE-03	AEC-01	
DSE 02	GE-01	AEC-01	}
DSE 02	GE-02	—	
—	GE-03	—	
DSE 03	GE-01	AEC-01	}
DSE 03	GE-02	—	
DSE 03	GE-03	—	



## M. C. A. - II Semester-III

Nature of choice	Subject Code	Subject	Credits	Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses	1 CC 3.1	Operating Systems	3:1:0	60	40	60	100
	2 CC 3.2	Design and Analysis of Algorithm	3:1:0	60	40	60	100
	3 CC 3.3	Core Java	3:1:0	60	40	60	100
	4 CC 3.4	Object Oriented Modeling and Design	3:1:0	60	40	60	100
	5 Practical-V	Practical Based on CC3.3	0:0:2	45	00	50	50
	6 Practical-VI	Practical Based on CC3.4	0:0:2	45	00	50	50
	7 Project-II	Project Report and Seminar-I	0:1:3	60	40	60	100
Discipline Specific Elective (DSE)	8 308 DSE 334	Business Data Analytics Relational Database Management Systems	3:1:0	60	40	60	100
	310	Computer Graphics					
	311 312 313 GE 3	Agri Business Environment and Cooperation Sustainable Agriculture Counseling Theory and Practice					
Generic Elective (GE)			3:1:0	60	40	60	100
Ability Enhancement course (AEC)	9 AEC3	Statistical and Numerical Computing	2:1:0	45	40	60	100
<b>Total Credits</b>			<b>35</b>	<b>555</b>	<b>320</b>	<b>580</b>	<b>900</b>



## M. C. A. - II Semester-IV

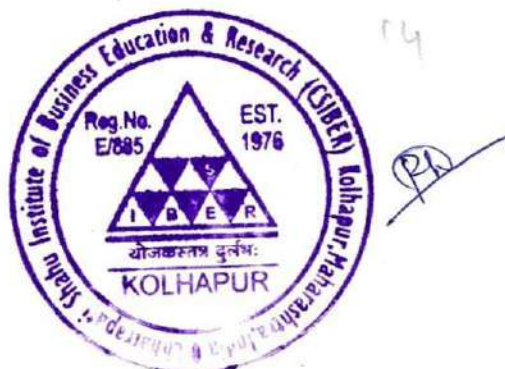
Nature of choice	Subject Code	Subject	Credits	Hours	Int. Marks	Ext. Marks	Total Marks
	✓ CC 4.1	Computer Communication and Network	3:1:0	60	40	60	100
	✓ CC 4.2	Software Project Management and Quality Assurance	3:1:0	60	40	60	100
	CC4.3	Linux Programming	3:1:0	60	40	60	100
	CC 4.4	Advanced Java	3:1:0	60	40	60	100
	Practical-VII	Practical Based on CC4.3	0:0:2	45	00	50	50
	Practical-VIII	Practical Based on CC4.4	0:0:2	45	00	50	50
	✓ Project-III	Project Report and Seminar-II	0:1:3	60	40	60	100
Discipline Specific Elective (DSE)	✓ DSE4	✓ Compiler Construction ✓ Simulation modeling and Expert Systems ✓ Pervasive Computing	3:1:0	60	40	60	100
General Elective	✓ GE4	✓ Business Ethics ✓ Occupational Health and Safety ✓ Rural Economy	3:1:0	60	40	60	100
Ability Enhancement course (AEC)	✓ AEC4	Computer Based Optimization Techniques	2:1:0	45	40	60	100
<b>Total Credits</b>			<b>35</b>	<b>555</b>	<b>320</b>	<b>580</b>	<b>900</b>





## M. C. A. - III Semester-V

Nature of choice	Subject Code	Subject	Full Credits	Hours	Int. Marks	Ext. Marks	Total Marks
	CC 5.1	Data Warehousing and Data mining	3:1:0	60	40	60	100
	CC 5.2	Artificial Intelligence and Soft Computing	3:1:0	60	40	60	100
	CC5.3	.Net Technologies	3:1:0	60	40	60	100
	CC 5.4	Mobile Computing	3:1:0	60	40	60	100
	Practical-IX	Practical Based on CC5.3	0:0:2	45	00	50	50
	Practical-X	Practical Based on CC5.4	0:0:2	45	00	50	50
	Project-IV	Project Report and Seminar-III	0:1:3	60	40	60	100
Discipline Specific Elective (DSE)	DSE5	Free and Open Source Systems Functional Programming Network Administration and Security	3:1:0	60	40	60	100
	DSE6	Distributed Databases Parallel Computing Internet of Things Big Data Analytics	3:1:0	60	40	60	100
		Total Credits	32	510	280	520	800



## M.C.A. (Part-III) Semester -VI

Paper No.	Head of Passing subject	Credit	Hours	Nature of EOS examination	
				Nature	Max. Mark
601	Project report	12	728/2=364	Report Documentation	100
602	Confidential Report			Report From Industry	100
603	Viva-Voce			Viva	100
604	Project presentation			Project Presentation	100
	<b>Total</b>	<b>12</b>	<b>364</b>		<b>400</b>



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**Implemented from 2019**  
**M. C. A. - I Semester-I**

Nature of choice	Subject Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC101	Computer Organization and architecture	3:1:0	60	40	60	100
	CC 102	Software engineering and Object Oriented Design	3:1:0	60	40	60	100
	CC103	Programming with 'C' and 'C++'	3:1:0	60	40	60	100
	CC 104	Web Design and Development	3:1:0	60	40	60	100
	Practical-I	Practical Based on CC103	0:0:2	45	00	50	50
	Practical-II	Practical Based on CC104	0:0:2	45	00	50	50
Discipline Specific Elective (DSE)	DSE 101 ( Any One)	a. E-Commerce b. Ethical Hacking	3:1:0	60	40	60	100
Generic Elective (GE)	GE 101 (Any One)	A. Fundamentals of Management	3:1:0	60	40	60	100
		B. Environment & Development					
		C. Indian Social Problems and Services					
		D. Principles of Economics					
Ability Enhancement course (AEC)	AEC 101	Business Communication	2:0:0	30	20	30	50
<b>Total Credits</b>			<b>30</b>	<b>495</b>	<b>280</b>	<b>520</b>	<b>800</b>



## M. C. A. - I Semester-II

Nature of choice	Subject Code	Subject	Credits	Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses	CC201	Relational Database Management Systems	3:1:0	60	40	60	100
	CC 202	Discrete Mathematics and Statistical Computing	3:1:0	60	40	60	100
	CC203	Data and File structures	3:1:0	60	40	60	100
	CC 204	Core Java	3:1:0	60	40	60	100
	Practical-III	Practical Based On CC203	0:0:2	45	00	50	50
	Practical-IV	Practical Based on CC204	0:0:2	45	00	50	50
	Project-I	Project Report and Term Paper-I	0:1:3	60	40	60	100
Discipline Specific Elective (DSE)	DSE 201 (Any One)	A. Service Oriented Architecture B. Cloud Computing	3:1:0	60	40	60	100
Generic Elective (GE)	GE 201	A. Fundamentals of Accounting	3:1:0	60	40	60	100
		B. Disaster Management					
		C. Social Welfare and Administration					
		D. Principles of Microeconomics					
Ability Enhancement course (AEC)	AEC 201	Soft skill and Personality Development	2:0:0	30	20	30	100
<b>Total Credits</b>			<b>34</b>	<b>540</b>	<b>300</b>	<b>550</b>	<b>850</b>



## M. C. A. - II Semester-III

Nature of choice	Subject Code	Subject	Credits	Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses	CC 301	Operating Systems	3:1:0	60	40	60	100
	CC 302	Design and Analysis of Algorithm	3:1:0	60	40	60	100
	CC 303	.Net Technologies -I	3:1:0	60	40	60	100
	CC 304	Advanced Java	3:1:0	60	40	60	100
	Practical-V	Practical Based on CC303	0:0:2	45	00	50	50
	Practical-VI	Practical Based on CC304	0:0:2	45	00	50	50
	Project-II	Project Report and Seminar-I	0:1:3	60	40	60	100
Discipline Specific Elective (DSE)	DSE 301	A. Computer Based Optimization Techniques B. Computer Graphics	3:1:0	60	40	60	100
Generic Elective (GE)	GE 301	A. Agri Business Environment and Cooperation	3:1:0	60	40	60	100
		B. Sustainable Agriculture					
		C. Counseling Theory and Practice					
		D. Fundamentals of Macroeconomics					
Ability Enhancement course (AEC)	AEC 301	MOOC Certification Foreign Languages	2:0:0	30	20	30	100
<b>Total Credits</b>			<b>34</b>	<b>540</b>	<b>300</b>	<b>550</b>	<b>850</b>



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## M. C. A. - II Semester-IV

Nature of choice	Subject Code	Subject	Credits	Hours	Int. Marks	Ext. Marks	Total Marks
	CC 401	Computer Communication and Network	3:1:0	60	40	60	100
	CC 402	Software Project Management and Quality Assurance	3:1:0	60	40	60	100
	CC403	Linux Programming	3:1:0	60	40	60	100
	CC 404	.Net Technologies-II	3:1:0	60	40	60	100
	Practical-VII	Practical Based on CC403	0:0:2	45	00	50	50
	Practical-VIII	Practical Based on CC404	0:0:2	45	00	50	50
	Project-III	Project Report and Seminar-II	0:1:3	60	40	60	100
Discipline Specific Elective (DSE)	DSE401	A. Compiler Construction B. Simulation modeling and Expert Systems	3:1:0	60	40	60	100
General Elective	GE401	A. Business Ethics B. Occupational Health and Safety C. Rural Economy D. Indian Economy	3:1:0	60	40	60	100
Ability Enhancement course (AEC)	AEC 401	Internet of Things Big Data Analytics	2:0:0	30	20	30	100
		<b>Total Credits</b>	<b>34</b>	<b>540</b>	<b>300</b>	<b>550</b>	<b>850</b>



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## M. C. A. - III Semester-V

Nature of choice	Subject Code	Subject	Full Credits	Hours	Int. Marks	Ext. Marks	Total Marks
	CC 501	Data Warehousing and Data mining	3:1:0	60	40	60	100
	CC 502	Artificial Intelligence and Soft Computing	3:1:0	60	40	60	100
	CC503	Machine Learning with Python	3:1:0	60	40	60	100
	CC 504	Mobile Computing	3:1:0	60	40	60	100
	Practical-IX	Practical Based on CC503	0:0:2	45	00	50	50
	Practical-X	Practical Based on CC504	0:0:2	45	00	50	50
	Project-IV	Project Report and Seminar-III	0:1:3	60	40	60	100
Discipline Specific Elective (DSE)	DSE 501	A. Distributed Databases B. Network Administration and Security	2:0:0	30	20	30	100
		<b>Total Credits</b>	<b>26</b>	<b>420</b>	<b>220</b>	<b>430</b>	<b>650</b>



## M.C.A. (Part-III) Semester –VI

Paper No.	Head of Passing subject	Credit	Hours	Nature of EOS examination	
				Nature	Max. Mark
601	Project report	12	728/2=364	Report Documentation	100
602	Confidential Report			Report From Industry	100
603	Viva-Voce			Viva	100
604	Project presentation			Project Presentation	100
<b>Total</b>		<b>12</b>	<b>364</b>		<b>400</b>

## Total Credits :

Semesters	Core Credits	DSE	GE	AEC	Total
I	5x 4 = 20	1 x 4= 4	1 x4= 4	1 x 2= 2	30
II	6 x 4 = 24	1 x 4= 4	1 x4= 4	1 x 2= 2	34
III	6 x 4 = 24	1 x 4= 4	1 x 4= 4	1 x 2 = 2	34
IV	6 x 4 = 24	1x 4= 4	1x4 = 4	1 x 2= 2	34
V	6 x 4 = 24	1x4 = 4			26
VI	1 x 12 = 12				12
<b>Total</b>	<b>128</b>	<b>20</b>	<b>16</b>	<b>08</b>	<b>172</b>
<b>Percentage</b>	<b>74.41</b>	<b>11.62</b>	<b>9.30</b>	<b>4.67</b>	<b>100</b>
<b>Total marks</b>	<b>3300</b>	<b>500</b>	<b>400</b>	<b>200</b>	<b>4400</b>



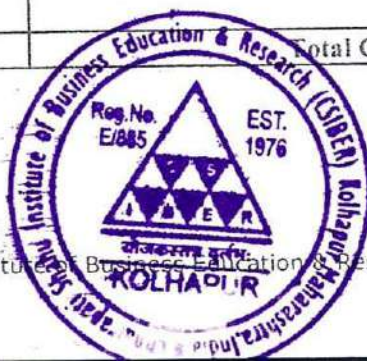


## MCA-I Semester-I

Nature of choice	Course Code	Course Name	Credits	Contact Hours	Int./Pract. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC-101	Computer Architecture and Operating system	3:1:0	60	40	60	100
	CC-102	Software engineering and Object Oriented Design	3:1:0	60	40	60	100
	CC-103	Design and Analysis of Algorithms	3:1:0	60	40	60	100
Core Practical Courses	CC-104	Programming with 'C'	3:1:0	60	40	60	100
	CC-105	Web Design and Development	3:1:0	60	40	60	100
Discipline Specific Elective (DSE)	DSE-I (Any One)	A. Programming with Python.	3:1:0	60	40	60	100
		B. Programming with R.					
Ability Enhancement course (AEC)	AEC-I	Business Communication	2:0:0	30	50	00	50
<b>Total Credits</b>			<b>26</b>	<b>390</b>	<b>290</b>	<b>360</b>	<b>650</b>

## M. C. A. - I Semester-II

Nature of choice	Course Code	Subject	Credits	Hours	Int./Pract. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC-201	Relational Database Management Systems	3:1:0	60	40	60	100
	CC-202	Mathematical & Statistical Foundation	3:1:0	60	40	60	100
	CC-203	Linux Administration & Programming	3:1:0	60	40	60	100
Core Practical Courses	CC-204	Data and File structures	3:1:0	60	40	60	100
	CC-205	Core Java	3:1:0	60	40	60	100
	Project-I	Mini Project-I and Term Paper	0:1:3	60	40	60	100
Discipline Specific Elective (DSE)	DSE-II (Any One)	A. Full Stack Web Development	3:1:0	60	40	60	100
		B. Theoretical Computer Science					
Ability Enhancement course (AEC)	AEC-II	Soft Skills & Personality Development	2:0:0	30	50	00	50
<b>Total Credits</b>			<b>30</b>	<b>450</b>	<b>330</b>	<b>420</b>	<b>750</b>



## M. C. A. - I Semester-II

Nature of choice	Subject Code	Subject	Credits	Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses	1 CC2.1	Database Management Systems	3:1:0	60	40	60	100
	2 CC 2.2	Discrete Mathematics	3:1:0	60	40	60	100
	3 CC2.3	Data and File structures	3:1:0	60	40	60	100
	4 CC 2.4	Object oriented Programming With C++	3:1:0	60	40	60	100
	5 Practical-III	Practical Based On CC2.3	0:0:2	45	00	50	50
	6 Practical-IV	Practical Based on CC2.4	0:0:2	45	00	50	50
	7 Project-I	Project Report and Term Paper-I	0:1:3	60	40	60	100
Discipline Specific Elective (DSE) 8	DSE2 (Any One)	Service Oriented Architecture Cloud Computing Management Support System	3:1:0	60	40	60	100
Generic Elective (GE) 9	GE 2	Fundamentals of Accounting	3:1:0	60	40	60	100
		Disaster Management					
		Social Welfare and Administration					
Ability Enhancement course (AEC) 10	AEC 2	Soft skill and Personality Development	2:1:0	45	40	60	100
Total Credits			35	555	320	580	900



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## M. C. A. - II Semester-III

Specializations given under : DSE

DS : Data Science

NS : Network Security

Nature of choice	Course Code	Course Name	Credits	Hours	Int./Pract Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC-301	Computer Communication and Network	3:1:0	60	40	60	100
	CC-302	Software Project Management and Quality Assurance	3:1:0	60	40	60	100
	CC-303	Ethical Hacking	3:1:0	60	40	60	100
Core Practical Courses	CC-304	Advanced Web Technologies.	3:1:0	60	40	60	100
	CC-305	.Net Programming	3:1:0	60	40	60	100
	Project-II	Industrial/Mini Project-II	0:1:3	60	40	60	100
Discipline Specific Elective (DSE)	DSE-III	DS-I. Data Warehousing & Data Mining	3:1:0	60	40	60	100
		NS-I. Network Administration					
Discipline Specific Elective (DSE)	DSE-IV	DS-II. R for data Science	3:1:0	60	40	60	100
		NS-II. Information and Network Security					
Ability Enhancement course (AEC)	AEC-III	Software design Patterns	2:0:0	30	20	30	50
	AEC-IV	Internship Presentation	0:0:2	30	--	50	50
Total Credits			36	510	300	600	900



## M. C. A. - II Semester-IV

Nature of choice	Course Code	Course Name	Credits	Hours	Int./Pract. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC-401	Artificial Intelligence	3:1:0	60	40	60	100
	CC-402	Mobile Computing	3:1:0	60	40	60	100
	CC-403	Block chain Technology	3:1:0	60	40	60	100
Core Practical Courses	CC-404	Web development using ASP.Net	3:1:0	60	40	60	100
	CC-405	Advanced Java	3:1:0	60	40	60	100
	Project-III	Mini Project-III Industrial Seminars	0:1:3	60	40	60	100
Discipline Specific Elective (DSE)	DSE-V	DS-III. Machine Learning using Python	3:1:0	60	40	60	100
		NS-III. Cloud Computing					
Discipline Specific Elective (DSE)	DSE-VI	DS-IV. Big Data Analytic	3:1:0	60	40	60	100
		NS-IV. Database and Web Security					
Ability Enhancement Course(AEC)	AEC-V	Internet of things	2:0:0	30	20	30	50
<b>Total Credits</b>			<b>34</b>	<b>525</b>	<b>340</b>	<b>510</b>	<b>850</b>

Total Credits:

Semesters	Core Credits	DSE	AEC	Total
I	5x 4 = 20	1 x 4= 4	1 x 2= 2	26
II	6 x 4 = 24	1 x 4= 4	1 x 2= 2	30
III	6x 4 = 24	2x 4= 8	1 x 2= 2 1 x 2= 2	36
IV	6x 4 = 24	2x 4= 8	1 x 2= 2	34
Total	92	24	10	126
Percentage	73.01	19.04	7.95	100
Total marks	2300	600	250	3150



## Programme Structure:

## M.Sc.( Computer Science) (Part-I) Semester - I

Course No.	Course Name	Credit	Hours	Int.	Ext.	Total
CC-1.1	Computer Organization and Architecture	3:1:0	60	40	60	100
CC-1.2	Software Engineering and Project Management	3:1:0	60	40	60	100
CC-1.3	Object Oriented Programming with C++	3:1:0	60	40	60	100
CC-1.4	Web Design and Development	3:1:0	60	40	60	100
LAB-I	Based on CC1.3	0:0:2	60	10	40	50
LAB-II	Based on CC1.4	0:0:2	60	10	40	50
DSE-I	Theoretical Computer Science (TCS) Cloud Computing	3:1:0	60	40	60	100
GE-I	Fundamentals of Management Environment & Development Indian Social Problems and Services	3:1:0	45	40	60	100
AEC-I	Design and Analysis of Algorithms	3:1:0	60	40	60	100
		32	525	300	500	800

## M.Sc.(Computer Science) (Part-I) Semester - II

Course No.	Course Name	Credit	Hours	Int.	Ext.	Total
CC-2.1	Operating Systems	3:1:0	60	40	60	100
CC-2.2	Unix Internal & Linux	3:1:0	60	40	60	100
CC-2.3	.NET programming	3:1:0	60	40	60	100
CC-2.4	Data and File Structures	3:1:0	60	40	60	100
LAB-III	Based on 2.3	0:0:2	60	10	40	50
LAB-IV	Based on 2.4	0:0:2	60	10	40	50
DSE-II	Big Data and Hadoop Computer graphics	3:1:0	60	40	60	100
GE-II	Fundamentals of Accounting Disaster Management Social Welfare and Administration	3:1:0	45	40	60	100
AEC-II	RDBMS Concepts and Technologies	3:1:0	60	40	60	100
		32	525	300	500	800



## M.Sc.(Computer Science) (Part-II) Semester – III

Course No.	Course Name	Credit	Hours	Int.	Ext.	Total
CC-3.1	Computer Networks	3:1:0	60	40	60	100
CC-3.2	Artificial Intelligence	3:1:0	60	40	60	100
CC-3.3	Java Programming	3:1:0	60	40	60	100
CC-3.4	Data Warehousing and Data Mining	3:1:0	60	40	60	100
LAB-V	Based on CC3.3	0:0:2	60	10	40	50
LAB-VI	Based on CC3.4	0:0:2	60	10	40	50
DSE-III	Optimization Techniques (OR) Advanced data analytics	3:1:0	60	40	60	100
GE-III	Agri Business Environment and Cooperation Sustainable Agriculture Counseling Theory and Practice	3:1:0	45	40	60	100
AEC-III	Mobile Computing	3:1:0	60	40	60	100
		<b>32</b>	<b>525</b>	<b>300</b>	<b>500</b>	<b>800</b>

## M.Sc.(Computer Science) (Part-II) Semester – IV

Course No.	Course Name	Credit	Hours	Nature of EOS exam.	Total
CC-4.1	Project report	12	728/2 = 364	Report Documentation	100
CC-4.2	Confidential Report			Report From Industry	100
CC-4.3	Viva-Voce			Viva –Voce	100
CC-4.4	Project presentation			Project Presentation	100
	<b>Total</b>	<b>12</b>	<b>364</b>		<b>400</b>

Total Credits :

Semesters	Core Credits	DSE	GE	AEC	Total
I	4x 4 = 16 2x 2 = 04 (Pract.)	1 x 4= 4	1 x4= 4	1 x 4= 4	32
II	4x 4 = 16 2x 2 = 04 (Pract.)	1 x 4= 4	1 x4= 4	1 x 4= 4	32
III	4x 4 = 16 2x 2 = 04 (Pract.)	1 x 4= 4	1 x 4= 4	1x4 = 4	32
IV	24				24
Total	84	12	12	12	120
Percentage	70.00	10.00	10.00	10.00	100
Total marks	1900	300	300	300	2800

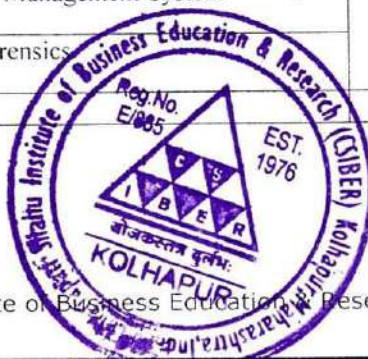


**Programme Structure:****M.Sc.( Computer Science) (Part-I) Semester – I**

Course No.	Course Name	Credit	Hours	Int.	Ext.	Total
CC-101	Computer Organization and Architecture	3:1:0	60	40	60	100
CC-102	Software Engineering and Project Management	3:1:0	60	40	60	100
CC-103	Object Oriented Programming with C++	3:1:0	60	40	60	100
CC-104	Web Design and Development	3:1:0	60	40	60	100
LAB-I	Based on CC1.3	0:0:2	45	10	40	50
LAB-II	Based on CC1.4	0:0:2	45	10	40	50
DSE 101	A. Theoretical Computer Science (TCS)	3:1:0	60	40	60	100
	B. Cloud Computing					
	C. Information Security & Cryptography					
GE 101	A. Fundamentals of Management	3:1:0	45	40	60	100
	B. Environment & Development					
	C. Indian Social Problems and Services					
	D. Principles of Economics					
AEC 101	A. Design and Analysis of Algorithms	3:1:0	60	40	60	100
	B. Mobile, Wireless, and VoIP Security					
		32	495	300	500	800

**M.Sc.(Computer Science) (Part-I) Semester – II**

Course No.	Course Name	Credit	Hours	Int.	Ext.	Total
CC-201	Operating Systems	3:1:0	60	40	60	100
CC-202	Unix Internal & Linux	3:1:0	60	40	60	100
CC-203	.NET programming	3:1:0	60	40	60	100
CC-204	Data and File Structures	3:1:0	60	40	60	100
LAB-III	Based on 2.3	0:0:2	45	10	40	50
LAB-IV	Based on 2.4	0:0:2	45	10	40	50
Project-I	Mini Project and Viva-Voce	0:0:4	60	40	60	100
DSE-201	A. Big Data and Hadoop	3:1:0	60	40	60	100
	B. Computer graphics					
	C. Ethical Hacking and Network Defense					
GE-201	A. Fundamentals of Accounting	3:1:0	45	40	60	100
	B. Disaster Management					
	C. Social Welfare and Administration					
	D. Principles of Microeconomics					
AEC-201	A. Database Management System	3:1:0	60	40	60	100
	B. Cyber Forensics					
		36	555	340	560	900



## M.Sc.(Computer Science) (Part-II) Semester – III

Course No.	Course Name	Credit	Hours	Int.	Ext.	Total
CC-301	Computer Networks	3:1:0	60	40	60	100
CC-302	Artificial Intelligence	3:1:0	60	40	60	100
CC-303	Java Programming	3:1:0	60	40	60	100
CC-304	Data Warehousing and Data Mining	3:1:0	60	40	60	100
LAB-V	Based on CC303	0:0:2	45	10	40	50
LAB-VI	Based on CC304	0:0:2	45	10	40	50
DSE-301	A. Optimization Techniques (OR)	3:1:0	60	40	60	100
	B. Advanced data analytics					
	C. Cryptanalysis					
GE-301	A. Agri-Enterprise Management	3:1:0	45	40	60	100
	B. Sustainable Agriculture					
	C. Fundamentals of Counseling					
	D. Fundamentals of Macroeconomics					
AEC-301	A. Mobile Computing	3:1:0	60	40	60	100
	B. Cyber Crimes & Investigation					
		32	495	300	500	800

## M.Sc.(Computer Science) (Part-II) Semester – IV

Course No.	Course Name	Credit	Hours	Nature of EOS exam.	Total
CC-4.1	Project report	12	728/2 = 364	Report Documentation	100
CC-4.2	Confidential Report			Report From Industry	100
CC-4.3	Viva-Voce			Viva –Voce	100
CC-4.4	Project presentation			Project Presentation	100
<b>Total</b>		<b>12</b>	<b>364</b>		<b>400</b>

Total Credits :

Semesters	Core Credits	DSE	GE	AEC	Total
I	4x 4 = 16 2x 2 = 04 (Pract.)	1 x 4= 4	1 x4= 4	1 x 4= 4	32
II	4x 4 = 16 2x 2 = 04 (Pract.)	1 x 4= 4	1 x4= 4	1 x 4= 4	32
III	4x 4 = 16 2x 2 = 04 (Pract.)	1 x 4= 4	1 x 4= 4	1x4 = 4	32
IV	24				24
Total	84	12	12	12	120
Percentage	70.00	10.00	10.00	10.00	100
Total marks	1900	300	300	300	2800





**Structure for M.Sc. (Environment & Safety) :**

M.Sc. (Environment & Safety) course is of two years Full time and is divided into four semesters. Semester I & II will be taught in the first year of the course and Semester III and IV during the second year of the course.

**Structure of M. Sc. (Environment & Safety)**

2016-17

**M.Sc. - I: SEMESTER-I**

Sub. Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
101	Introduction to Ecology and Environment	4	60	20	80	100
102	Natural Resources	4	60	20	80	100
103	Fundamentals of Safety	4	60	20	80	100
	<b>Elective (Any One)</b>					
104E1	Environmental Chemistry & Statistical Methods	4	60	20	80	100
104E2	Environmental Economics	4	60	20	80	100
105	Practical (105)	4	60	20	80	100
106	Practical (106)	4	60	20	80	100
<b>Total Credits</b>		<b>24</b>	<b>360</b>	<b>120</b>	<b>480</b>	<b>600</b>

**SEMESTER-II**

Sub. Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
201	Water and Soil Pollution	4	60	20	80	100
202	Environmental Engineering and Design	4	60	20	80	100
203	Industrial Hygiene and Occupational Health	4	60	20	80	100
	<b>Elective (Any One)</b>					
204E1	Remote Sensing, GIS and Computer Applications	4	60	20	80	100
204E2	Aquaculture and Agriculture	4	60	20	80	100
205	Practical (205)	4	60	20	80	100
206	Practical (206)	4	60	20	80	100
<b>Total Credits</b>		<b>24</b>	<b>360</b>	<b>120</b>	<b>480</b>	<b>600</b>

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M.Sc. ( Environment & Safety-Syllabus :2013)

### SEMESTER-III

Sub. Code	Subject	Credits	Contact Hours	Int. Marks	Ext. Marks	Total Marks
301	Environmental Education, Policy and legislation	4	60	20	80	100
302	Air and Noise Pollution	4	60	20	80	100
303	Safety Engineering	4	60	20	80	100
304	<b>Elective (Any One)</b>					
304E1	Environnemental Impact Assessment And Environnement Management System	4	60	20	80	100
304E2	Forest and Wild Life Management	4	60	20	80	100
305	Practical ✓	4	60	20	80	100
306	Practical ✓	4	60	20	80	100
307	Inplant Training ( Industry Based)	2	-	10	40	50
308	Project work ( Laboratory Based)	2	60	10	40	50
<b>Total Credits</b>		<b>28</b>	<b>420</b>	<b>140</b>	<b>560</b>	<b>700</b>

### SEMESTER-IV

Sub. Code	Subject	Credits	Hours	Int. Marks	Ext. Marks	Total Marks
401	Environmental Biotechnology and Toxicology	4	60	20	80	100
402	Management of Industrial and Civic Waste	4	60	20	80	100
403	Safety Legislation and Management	4	60	20	80	100
	<b>Elective (Any One)</b>					
404E1	Land and Water Management	4	60	20	80	100
404E2	Disaster Management	4	60	20	80	100
405	Practical	4	60	20	80	100
406	Practical	4	60	20	80	100
407	Project work ( Laboratory Based)	2	60	10	40	50
<b>Total Credits</b>		<b>26</b>	<b>420</b>	<b>130</b>	<b>520</b>	<b>650</b>

#### Total Credits

Semesters	Sem. I	Sem. - II	Sem. III	Sem. IV	Total
Credits	24	24	28	26	102
Marks	600	600	700	650	2550



M.Sc. ( Environment & Safety-Syllabus :2013)

**CBCS Structure of M.Sc. (Environment & Safety)**  
**(Implemented from 2017-18) & 2018-19**  
**M.Sc. - I Year**

**Semester - I**

Nature of Choice Base	Choice Code	Subject	Total Credits	Credit pattern L: T: P	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC1.1	Introduction to Ecology and Environment	4	3: 0.5: 0.5	60	40	60	100
	CC 1.2	Natural Resources	4	3: 0.5: 0.5	60	40	60	100
	CC1.3	Fundamentals of Safety	4	1: 0 : 3.0	60	40	60	100
	CC 1.4	Practical -I	4	3: 0.5: 0.5	60	40	60	100
	CC 1.5	Practical -II	4	3: 0.5: 0.5	60	40	60	100
Discipline Specific Elective (DSE)	DSE1 (Any One )	1. Environmental Chemistry & Statistical Methods 2. Ecological Foot prints and Carbon Sequestration	4	3: 0.5: 0.5	60	40	60	100
Generic Elective Course (GE)	GE 1 (Any one elective paper from other department courses )	1. Fundamentals of Management 2. Office Automation 3. Indian Social Problems and Social Services	4	3: 0.5: 0.5	60	40	60	100
Ability Enhancement Courses (AEC)	AEC 1	Managerial Communication at work	3	3: 0.5: 0.5	45	40	60	100
<b>Total Credits</b>			<b>31</b>		<b>465</b>	<b>320</b>	<b>480</b>	<b>800</b>

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Semester – II

Nature of Choice Base	Subject Code	Subject	Full Credits	Credit pattern L : T : P	Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (cc)	CC 2.1 ✓	Water and Soil Pollution	4	3: 0.5: 0.5	60	40	60	100
	CC 2.2 ✓	Environmental Engineering and Design	4	3: 0.5: 0.5	60	40	60	100
	CC 2.3 ✓	Industrial Hygiene and Occupational Health	4	1: 0 : 3.0	60	40	60	100
	CC 2.4 ✓	Practical -III	4	3: 0.5: 0.5	60	40	60	100
	CC 2.5 ✓	Practical -IV	4	3: 0.5: 0.5	60	40	60	100
Discipline Specific Elective (DSE)	DSE 2 (Any One)	1. Remote Sensing, GIS and Computer Applications 2. Aquaculture and Agriculture	4	3: 0.5: 0.5	60	40	60	100
Generic Elective Course (GE)	GE 2 (Any one elective paper from other department courses)	1. Fundamentals of Accounting 2. Management Information System 3. Social Welfare Administration	4	3: 0.5: 0.5	60	40	60	100
Ability Enhancement Courses (AEC)	AEC 2	Foreign languages ( German / Japanese/French )	3	2.5: 0.25: 0.25	45	40	60	100
Total Credits			31		465	320	480	800

Handwritten notes and calculations below the table:

DSE-1 { GE-1 AEC-1 ✓ } DSE-2 { GE-1 AEC-1 ✓ }  
 GE-1 AEC-2 ✓ }  
 GE-1 AEC-3 ✓ }  
 DSE-1 { GE-2 AEC-1 ✓ }  
 GE-2 AEC-2 ✓ }  
 GE-2 AEC-3 ✓ }  
 DSE-1 { GE-3 AEC-1 ✓ }  
 GE-3 AEC-2 ✓ }  
 GE-3 AEC-3 ✓ }  
 DSE-2 { GE-2 AEC-1 ✓ }  
 GE-2 AEC-2 ✓ }  
 GE-2 AEC-3 ✓ }  
 DSE-2 { GE-3 AEC-1 ✓ }  
 GE-3 AEC-2 ✓ }  
 GE-3 AEC-3 ✓ }



M.Sc. - II Year

Semester - III

Nature of Choice Base	Subject Code	Subject	Full Credits	Credit pattern L : T : P	Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC 3.1 ✓	Environmental Education, Policy and legislation	4	3: 0.5: 0.5	60	40	60	100
	CC 3.2 ✓	Air and Noise Pollution	4	3: 0.5: 0.5	60	40	60	100
	CC 3.3 ✓	Safety Engineering	4	1: 0 : 3.0	60	40	60	100
	CC 3.4 ✓	Practical V	4	3: 0.5: 0.5	60	40	60	100
	CC 3.5 ✓	Practical VI	4	3: 0.5: 0.5	60	40	60	100
Discipline Specific Elective (DSE) 306 309 310	DSE3 (Any One Specializations) ✓	1.Environmental Impact Assessment And Environment Management System 2.Forest and Wild Life Management	4	3: 0.5: 0.5	60	40	60	100
	DSE4	Summer Inplant Project ✓	4	1: 0 : 3.0	60 (30 Days)	40	60	100
	DSE5 ✓	Lab based Project ✓	2	0: 0 : 2.0	30	10	40	50
Generic Elective (GE) 311 ✓	GE 3 (Any one elective paper from other department courses)	1.Agribusiness Environment and Cooperation ✓ 2.Cyber Laws ✓ 3.Counseling : Theory & Practices ✓	4	3: 0.5: 0.5	60	40	60	100
Ability Enhance ment Courses (AEC) 315	AEC 3 ✓	Skill Development for Career Management	3	2.5: 0.25: 0.25	45	40	60	100
		Total Credits	37		555	370	580	950

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Semester – IV

Nature of Choice Base	Subject Code	Subject	Full Credits	Credit pattern L : T : P	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC 4.1	Environmental Microbiology, Biotechnology and Toxicology	4	3: 0.5: 0.5	60	40	60	100
	CC 4.2	Management of Industrial and Civic Waste	4	3: 0.5: 0.5	60	40	60	100
	CC 4.3	Safety Legislation and Management	4	1: 0 : 3.0	60	40	60	100
	CC 4.4	Practical VII	4	3: 0.5: 0.5	60	40	60	100
	CC 4.5	Practical VIII	4	3: 0.5: 0.5	60	40	60	100
Discipline Specific Elective (DSE Any One)	DSE 6	1.Land and Water Management 2. Disaster Management	4	3: 0.5: 0.5	60	40	60	100
	DSE 7	Lab based Project	2		30	10	40	50
Generic Elective (AEC)	GE4	1.Business Ethics 2.Software Development, Selection & Procurement 3. Rural Economy	4	3: 0.5: 0.5	60	40	60	100
Ability Enhancement Courses (AEC)	AEC4	Advance MS - Excel	3	3: 0.5: 0.5	45	40	60	100
Total Credits			33		495	330	520	850

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M.Sc. ( Env't. & Safety)

Total Credits :

Semesters	Core Credits	DSE	GE	AEC	Total Credits	Contact Hours	Total marks
I	5 x 4 = 20	1 x 4 = 4	1 x 4 = 4	1 x 3 = 3	31	465	800
II	5 x 4 = 20	1 x 4 = 4	1 x 4 = 4	1 x 3 = 3	31	465	800
III	5 x 4 = 20	1 x 4 = 4 1 x 4 = 4 1 x 2 = 2	1 x 4 = 4	1 x 3 = 3	37	555	950
IV	5 x 4 = 20	1 x 4 = 4 1 x 2 = 2	1 x 4 = 4	1 x 3 = 3	33	495	850
Total	80	24	16	12	132	1980	3400
Percentage	60.60	18.18	12.12	9.09	100		



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**CBCS Structure of M. Sc. (Environment & Safety )**  
**(To be Implemented from 2019-20) & 2020-21**  
**M.Sc. - I Year**

**M. Sc. (Environment & Safety ),Semester – I**

Nature of Choice Base	Choice Code	Subject	Total Credits	L:T:P	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC-101	Introduction to Ecology and Environment	4	3:0.5:0.5	60	40	60	100
	CC-102	Natural Resources	4	3:0.5:0.5	60	40	60	100
	CC-103	Fundamentals of Safety	4	3:0.5:0.5	60	40	60	100
	CC-104	Practical -I	4	1:0:3	60	40	60	100
	CC-105	Practical -II	4	1:0:3	60	40	60	100
Discipline Specific Elective (DSE)	DSE-101 (Any One )	DSE-101(A) : Environmental Chemistry  DSE-101(B) : Ecological Foot prints and Carbon Sequestration	4	3:0.5:0.5	60	40	60	100
Generic Elective Course (GE)	GE-101 (Any one elective paper from other department courses )	GE -101(A): Fundamentals of Management  GE -101(B):Office Automation  GE -101(C) : Indian Social Problems and Social Services  GE -101(D): Principles of Economics	4	3:0.5:0.5	60	40	60	100
Ability Enhancement Course (AEC)	AEC-101	AEC-101(A): Life Skills for Managers	2	1.5:0.25:0.25	30	20	30	50
		<b>Total Credits</b>	<b>30</b>		<b>450</b>	<b>300</b>	<b>450</b>	<b>750</b>



M. Sc. (Environment & Safety ), Semester – II

Nature of Choice Base	Subject Code	Subject	Total Credits	L:T:P	Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC-201	Water Pollution	4	3:0.5:0.5	60	40	60	100
	CC-202	Environmental Engineering and Design	4	3:0.5:0.5	60	40	60	100
	CC-203	Remote Sensing and GIS	2	1.5:25:25	30	20	30	50
	CC-204	Computer Applications	2	1.5:25:25	30	20	30	50
	CC-205	Statistical Methods	2	1.5:25:25	30	20	30	50
	CC-206	Practical –III	4	1:0:3	60	40	60	100
	CC-207	Practical –IV	4	1:0:3	60	40	60	100
Discipline Specific Elective (DSE)	DSE-201 (Any One )	DSE-201(A): Industrial Hygiene and Occupational Health  DSE-201(B): Aquaculture and Agriculture	4	3:0.5:0.5	60	40	60	100
Generic Elective Course (GE)	GE-201 (Any one elective paper from other department courses )	GE-201 (A): Fundamentals of Accounting  GE-201(B): Management Information System  GE-201(C): Social Welfare Administration  GE-201(D) : Principles of Microeconomics	4	3:0.5:0.5	60	40	60	100
Ability Enhancement Course (AEC)	AEC-201	AEC-201(A): German (FL) AEC-201(B): Japanese (FL) AEC-201(C): French (FL) AEC-201(D):Selling and Negotiation Skills AEC-201(E): Forest Management AEC-201(F):Oral Communication	2	1.5:25:25	30	20	30	50
<b>Total Credits</b>			<b>32</b>		<b>480</b>	<b>320</b>	<b>450</b>	<b>800</b>

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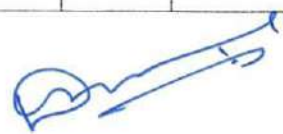


M.Sc. - II Year

M. Sc. (Environment & Safety)  
Semester – III

Nature of Choice Base	Subject Code	Subject	Total Credits	L:T:P	Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC-301	Environmental Education, Policy and legislation	4	3:0.5:0.5	60	40	60	100
	CC-302	Air and Noise Pollution	4	3:0.5:0.5	60	40	60	100
	CC-303	Disaster management	4	3:0.5:0.5	60	40	60	100
	CC-304	Summer In-plant Project (SIP)	2	0:0.5:1.5	30 Days	20	30	50
	CC-305	Practical V	4	1:0:3	60	40	60	100
	CC-306	Practical VI	4	1:0:3	60	40	60	100
Discipline Specific Elective (DSE)	DSE-301 ( Any One Specializations)	DSE-301(A) : Environmental Impact Assessment (EIA)And Environment Management System(EMS). DSE-301(B): Safety Legislations and Management.	4	3:0.5:0.5	60	40	60	100
Generic Elective (GE)	GE-301 (Any one elective paper from other department courses )	GE-301(A): Entrepreneurship Development GE-301(B): E-Commerce GE-301(C): Fundamentals of Counseling GE-301(D): Fundamentals of Macroeconomics.	4	3:0.5:0.5	60	40	60	100
Ability Enhancement Course (AEC)	AEC-301	AEC-301(A): Wildlife Management AEC-301(B): Fundamentals of Tourism Management AEC-301(C) : Written Communication	2	1.5:1.25:1.25	30	20	30	50
		<b>Total Credits</b>	<b>32</b>		<b>480</b>	<b>320</b>	<b>480</b>	<b>800</b>

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M. Sc. (Environment & Safety ), Semester – IV

Nature of Choice Base	Subject Code	Subject	Total Credits	L:T:P	Contact Hours	Int. Marks	Ext. Marks	Total Marks
Core Courses (CC)	CC-401	Environmental Microbiology, Biotechnology and Toxicology	4	3:0.5:0.5	60	40	60	100
	CC-402	Management of Industrial and Civic Waste	4	3:0.5:0.5	60	40	60	100
	CC-403	Project Work (Lab./Field/ Survey)	2	0:0.5:1.5	30	20	30	50
	CC-404	Practical VII	4	1:0:3	60	40	60	100
	CC-405	Practical VIII	4	1:0:3	60	40	60	100
Discipline Specific Elective (DSE Any One)	DSE-401	DSE-401(A): Land and Water Management. DSE-401(B): Safety Engineering	4	3:0.5:0.5	60	40	60	100
Generic Elective (AEC)	GE-401	GE-401(A): Business Ethics GE-401(B): Data Base Management Systems (DBMS) GE-401(C): Basics of Social Legislation GE-401(D): Indian Economy	4	3:0.5:0.5	60	40	60	100
Ability-Enhancement Course (AEC)	AEC-401	AEC-401(A): Sustainable Agriculture	2	1.5:25:25	30	20	30	50
Total Credits			28		420	280	420	700

M. Sc. (Environment & Safety )

Total Credits:

Semester	Core Credits	DSE	GE	AEC	Total Credits	Contact Hours	Total marks
I	5 x 4 = 20	1 x 4 = 4	1 x 4 = 4	1 x 2 = 2	30	450	750
II	4 x 4 = 16 3 x 2 = 6	1 x 4 = 4	1 x 4 = 4	1 x 2 = 2	32	480	800
III	5 x 4 = 20 1 x 2 = 2	1 x 4 = 4	1 x 4 = 4	1 x 2 = 2	32	480	800
IV	4 x 4 = 16 1 x 2 = 2	1 x 4 = 4	1 x 4 = 4	1 x 2 = 2	28	420	700
Total	82	16	16	08	122	1830	3050
Percentage	67.21	13.11	13.11	6.57	100		



The Internal assessment in each paper will be made during each semester and will be based on the following criteria:

- (a) Class Participation and Class Attendance - 15 Marks  
 (b) Tutorials - 15 Marks

=====  
 Total 30 Marks

( Class Assignment 5 marks, Seminar 5 marks & Home Assignment 5 marks )

The students shall be required to attend a minimum of 75% attendance in each subject and fieldwork sessions in order to be eligible for taking theory & fieldwork examinations.

All the student have to wear prescribed dress code on the scheduled days ie. on every Monday and Thursday .

The candidates for M.S.W. examination will be examined in the following subjects for Part I & II Examination.

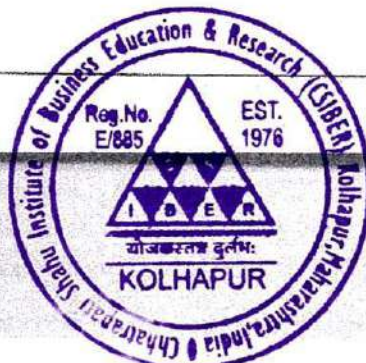
## M.S.W. COURSE STRUCTURE

### M.S.W. – FIRST YEAR

#### SEMESTER – I

Paper	Subjects	Max Marks
1.1	HISTORY AND PHILOSOPHY OF SOCIAL WORK	100
1.2	SOCIOLOGY IN RELATION TO SOCIAL WORK	100
1.3	WORK WITH INDIVIDUALS AND FAMILIES	100
1.4	WORK WITH GROUPS	100
1.5	SOCIAL WORK RESEARCH	100
1.6	DYNAMICS OF HUMAN BEHAVIOUR	100
1.7	SOCIAL PROBLEMS AND SERVICES	100
	FIELD WORK PRACTICUM (Concurrent field work)	100
	<b>TOTAL</b>	<b>800</b>

2016-17  
 2017-18



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SEMESTER - II

Paper	Subjects	Max Marks
2.1	ECONOMICS IN RELATION TO SOCIAL WORK	100
2.2	WORK WITH COMMUNITIES	100
2.3	SOCIAL WELFARE ADMINISTRATION	100
2.4	STATISTICS	100
2.5	SOCIAL WORK PRACTICE IN THE FIELD OF HEALTH	100
2.6	SOCIAL DEVELOPMENT, POLICY & PLANNING	100
2.7	DEVELOPMENT COMMUNICATION	100
	FIELD WORK PRACTICUM (Concurrent field work)	100
	<b>TOTAL</b>	<b>800</b>

M.S.W. – SECOND YEAR

SEMESTER – III

GROUP – A : HUMAN RESOURCE MANAGEMENT & LABOUR WELFARE

Paper	Subjects	Max Marks
3.1	LABOUR WELFARE – I	100
3.2	HUMAN RESOURCE MANAGEMENT	100
3.3	INDUSTRIAL RELATIONS	100
3.4	LABOUR LEGISLATION – I	100
3.5	LABOUR ECONOMICS	100
3.6	COMPUTER APPLICATION	100
3.7	COUNSELLING: THEORY & PRACTICE	100
	FIELD WORK PRACTICUM (Concurrent field work)	100
	<b>TOTAL</b>	<b>800</b>



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SEMESTER -III

GROUP – B : URBAN & RURAL COMMUNITY DEVELOPMENT

Paper	Subjects	Max Marks
3.1	RURAL SOCIOLOGY	100
3.2	RURAL COMMUNITY DEVELOPMENT	100
3.3	RURAL ECONOMY	100
3.4	ECOLOGY & DEVELOPMENT	100
3.5	PANCHYAT RAJ IN INDIA	100
3.6	COMPUTER APPLICATION	100
3.7	COUNSELLING: THEORY & PRACTICE	100
	FIELD WORK PRACTICUM (Concurrent field work)	100
	<b>TOTAL</b>	<b>800</b>

SEMESTER -III

GROUP – E : MEDICAL & PSYCHIATRIC SOCIAL WORK

Paper	Subjects	Max Marks
3.1	SOCIAL PSYCHOLOGY – I	100
3.2	PREVENTIVE & SOCIAL MEDICINE – I	100
3.3 ✓	ABNORMAL PSYCHOLOGY	100
3.4 ✓	MEDICAL SOCIAL WORK	100
3.5	DEVELOPMENTAL PSYCHOLOGY	100
3.6	COMPUTER APPLICATION	100
3.7	COUNSELLING: THEORY & PRACTICE	100
	FIELD WORK PRACTICUM (Concurrent field work)	100
	<b>TOTAL</b>	<b>800</b>



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SEMESTER - IV

GROUP - A : HUMAN RESOURCE MANAGEMENT & LABOUR

WELFARE (HRMLW)

Paper	Subjects	Max Marks	Gr	Pa
4.1	LABOUR WELFARE - II	100	4.1	4.2
4.2	HUMAN RESOURCES DEVELOPMENT	100	4.3	4.4
4.3	TRADE UNIONS	100	4.4	4.5
4.4	LABOUR LEGISLATION - II	100	4.5	
4.5	ORGANISATIONAL BEHAVIOUR	100		
4.6	SOCIAL LEGISLATION	100	4.6	
4.7	WOMEN & SOCIETY OR PROJECT WORK	100	4.7	
	FIELD WORK PRACTICUM (Concurrent field work)	100		
	<b>TOTAL</b>	<b>800</b>		

SEMESTER -IV

GROUP - B : URBAN & RURAL COMMUNITY DEVELOPMENT

(URCD)

Paper	Subjects	Max Marks
4.1	URBAN SOCIOLOGY	100
4.2	URBAN COMMUNITY DEVELOPMENT & MUNICIPAL ADMINISTRATION	100
4.3	CO-OPERATION	100
4.4	ADULT & NON-FORMAL EDUCATION	100
4.5	WELFARE & DEVELOPMENT OF WEAKER SECTIONS	100
4.6	SOCIAL LEGISLATION	100
4.7	WOMEN & SOCIETY OR PROJECT WORK	100
	FIELD WORK PRACTICUM (Concurrent field work)	100
	<b>TOTAL</b>	<b>800</b>



SEMESTER - IV

GROUP – E : MEDICAL & PSYCHIATRIC SOCIAL WORK (MPSW)

Paper	Subjects	Max Marks
4.1	SOCIAL PSYCHOLOGY – II	100
4.2	PREVENTIVE & SOCIAL MEDICINE – II	100
4.3	CLINICAL PSYCHIATRY	100
4.4	PSYCHIATIC SOCIAL WORK	100
4.5	THERAPEUTIC WORK WITH INDIVIDUALS FAMILIES & GROUPS	100
4.6	SOCIAL LEGISLATION	100
4.7	WOMEN & SOCIETY OR PROJECT WORK FIELD WORK PRACTICUM (Concurrent field work)	100
<b>TOTAL</b>		<b>800</b>

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## MSW – Programme Structure as per CBCS System w.e.f. June 2017

First Year

SEMESTER – I 2017-18 & 2018-19

Duration 16 Weeks

Nature of Course	Course Code	Course	Credits	Contact Hours				Int. & Ext. Marks	Marks
				Lecture	Tutorial	Practice	Total		
CC	CC 1.1	History And Philosophy Of Social Work	3	35	5	5	45	40+60	100
	CC 1.2	Work With Individuals & Families	3	35	5	5	45	40+60	100
	CC 1.3	Work With Groups	3	35	5	5	45	40+60	100
	CC 1.4	Indian Social Problems & Social Services	3	35	5	5	45	40+60	100
	CC 1.5	Orientation and Concurrent Field Work	4	--	--			50+50	100
	CC 1.6	Field Work Report and Viva-Voce	4	--	--	256	256	50+50	100
DSE (Any One)	DSE 1.1	Sociology In relation to Social Work	3	35	5	5	45	40+60	100
	DSE 1.2	Dynamics of Human Behavior							
GE (Any One)	GE1 ED	Environment & Development	4	45	5	10	60	40+60	100
	GE 1 OA	Office Automation							
	GE 1 FM	Fundamentals of Management							
AEC	AEC 1	Communication	3	35	5	5	45	40+60	100
		Total	30	255	35	296	586		900

**Note:**

Concurrent field work 32 hrs = 1 credit

Every course (theory) 15 hrs = 1 credit

Rules : Core Courses are Compulsory

DSE - Discipline Specific Elective : Students can opt any one subject from this category

GE – Generic Elective: Students can opt any one subject from this category

AEC – Ability Enhancement Course : Compulsory

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SEMESTER – II

Duration 16 Weeks

Nature of Course	Course Code	Course	Credits	Contact Hours				Int. & Ext. Marks	Marks
				Lecture	Tutorial	Practice	Total		
CC	CC 2.1	Community Organization and Social Action	3	35	5	5	45	40+60	100
	CC 2.2	Social Welfare Administration	3	35	5	5	45	40+60	100
	CC 2.3	Social Work Research	3	35	5	5	45	40+60	100
	CC 2.4	Social Policy, Planning and Development	3	35	5	5	45	40+60	100
	CC 2.5	Concurrent Field Work and Rural Camp	4	--	--			50+50	100
	CC 2.6	Field Work Report and Viva-Voce	4	--	--	256	256	50+50	100
DSE (Any One)	DSE 2.1	Economics in Relation to Social Work	3	35	5	5	45	40+60	100
	DSE 2.2	Social Work Practice in the Field of Health							
GE (Any One)	GE2 DM	Disaster Management	4	45	5	10	60	40+60	100
	GE2 MIS	Management Information System (MIS)							
	GE2 FA	Fundamentals of Accounting							
AEC	AEC 2	Statistics	3	35	5	5	45	40+60	100
<b>Total</b>			<b>30</b>	<b>255</b>	<b>35</b>	<b>296</b>	<b>586</b>		<b>900</b>



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**MSW – SECOND YEAR  
SEMESTER – III**

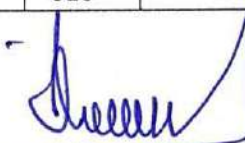
**Group A – Human Resource Management & Labour Welfare (HRM & LW)**

**Duration 16 Weeks**

Nature of Course	Course Code	Course	Credits	Contact Hours				Int. & Ext. Marks	Marks
				Lecture	Tutorial	Practice	Total		
CC	HR CC 3.1	Labour Welfare – I	3	35	5	5	45	40+60	100
	HR CC 3.2	Human Resource Management	3	35	5	5	45	40+60	100
	HR CC 3.3	Labour Legislations – I	3	35	5	5	45	40+60	100
	HR CC 3.4	Counselling : Theory & Practice	3	35	5	5	45	40+60	100
	HR CC 3.5	Orientation and Concurrent Field Work	4	--	--			50+50	100
	HR CC 3.6	Field Work Report and Viva-Voce	4	--	--	256	256	50+50	100
DSE (Any One)	HR DSE 3.1	Labour Economics	3	35	5	5	45	40+60	100
	HR DSE 3.2	Trade Unions							
GE (Any One)	GE3 SA	Sustainable Agriculture	4	45	5	10	60	40+60	100
	GE3 CL	Cyber Laws							
	GE3 ABEC	Agri Business Environment & Cooperation							
AEC	AEC 3T	Computer Applications (Theory)	1	15	0	0	15	20+30	50
	AEC 3P	Computer Applications (Practicals)	2	0	0	60	60	20+30	50
<b>Total</b>			<b>30</b>	<b>235</b>	<b>30</b>	<b>351</b>	<b>616</b>		<b>900</b>



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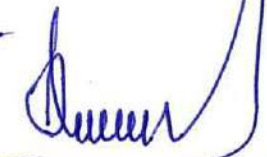
**SEMESTER – III**  
**Group B – Urban and Rural Community Development (URCD)**

Duration 16 Weeks

Nature of Course	Course Code	Course	Credits	Contact Hours				Int. & Ext. Marks	Marks
				Lecture	Tutorial	Practice	Total		
CC	CD CC 3.1	Rural and Urban Sociology	3	35	5	5	45	40+60	100
	CD CC 3.2	Rural Community Development	3	35	5	5	45	40+60	100
	CD CC 3.3	Panchayat Raj In India	3	35	5	5	45	40+60	100
	CD CC 3.4	Counselling : Theory & Practice	3	35	5	5	45	40+60	100
	CD CC 3.5	Orientation and Concurrent Field Work	4	--	--	256	25	50+50	100
	CD CC 3.6	Field Work Report and Viva-voce	4	--	--		6	50+50	100
DSE (Any One)	CD DSE 3.1	Co-operation	3	35	5	5	45	40+60	100
	CD DSE 3.2	Ecology and Development							
GE (Any One)	GE3 SA	Sustainable Agriculture	4	45	5	10	60	40+60	100
	GE3 CL	Cyber Laws							
	GE3 ABEC	Agri Business Environment & Cooperation							
AEC	AEC 3T	Computer Applications (Theory)	1	15	0	0	15	20+30	50
	AEC 3P	Computer Applications (Practicals)	2	0	0	60	60	20+30	50
<b>Total</b>			<b>30</b>	<b>235</b>	<b>30</b>	<b>351</b>	<b>616</b>		<b>900</b>



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**SEMESTER – III**  
**Group E – Medical and Psychiatric Social Work (MPSW)**

Duration 16 Weeks

Nature of Course	Course Code	Course	Credits	Contact Hours				Int.& Ext. Marks	Marks
				Lecture	Tutorial	Practice	Total		
CC	MPCC 3.1	Preventive and Social Medicine	3	35	5	5	45	40+60	100
	MPCC 3.2	Psychopathology and Mental Health – I	3	35	5	5	45	40+60	100
	MPCC 3.3	Medical and Psychiatric Social Work	3	35	5	5	45	40+60	100
	MPCC 3.4	Counselling : Theory & Practice	3	35	5	5	45	40+60	100
	MPCC 3.5	Orientation and Concurrent Field Work	4	--	--			50+50	100
	MPCC 3.6	Field Work Report and Viva-Voce	4	--	--	256	256	50+50	100
DSE (Any One)	MPDSE 3.1	Developmental Psychology	3	35	5	5	45	40+60	100
	MPDSE 3.2	Hospital Management							
GE (Any One)	GE 3 SA	Sustainable Agriculture	4	45	5	10	60	40+60	100
	GE3 CL	Cyber Laws							
	GE3 ABEC	Agri Business Environment & Cooperation							
AEC	AEC 3T	Computer Applications (Theory)	1	15	0	0	15	20+30	50
	AEC 3P	Compuer Applications (Practicals)	2	0	0	60	60	20+30	50
<b>Total</b>			<b>30</b>	<b>235</b>	<b>30</b>	<b>351</b>	<b>616</b>		<b>900</b>



*(Signature)*  
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**SEMESTER – IV**  
**Group A – Human Resource Management & Labour Welfare (HRM & LW)**

Duration 16 Weeks

Nature of Course	Course Code	Course	Credits	Contact Hours				Int. & Ext. Marks	Marks
				Lecture	Tutorial	Practise	Total		
CC	HR CC 4.1	Labour Welfare – II	3	35	5	5	45	40+60	100
	HR CC 4.2	Labour Legislations – II	3	35	5	5	45	40+60	100
	HR CC 4.3	Organizational Behavior	3	35	5	5	45	40+60	100
	HR CC 4.4	Industrial Relations	3	35	5	5	45	40+60	100
	HR CC 4.5	Orientation and Concurrent Field Work	4	--	--	256	256	50+50	100
	HR CC 4.6	Field Work Report and Viva-Voce	4	--	--			50+50	100
DSE (Any One)	HR DSE 4.1	Research Project	3	35	5	5	45	40+60	100
	HR DSE 4.2	Corporate Social Responsibility							
	HR DSE 4.3	Women and Society							
GE (Any One)	GE4 OHS	Occupational Health and Safety	4	45	5	10	60	40+60	100
	GE4 SDSP	Software Development, Selection & Procurement							
	GE4 BE	Business Ethics							
AEC	AEC 4 SSD	Soft Skills Development	3	35	5	5	45	40+60	100
<b>Total</b>			<b>30</b>	<b>255</b>	<b>35</b>	<b>296</b>	<b>586</b>		<b>900</b>

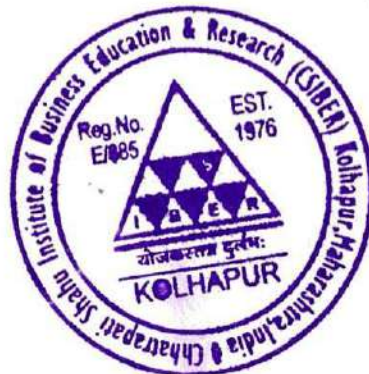


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**SEMESTER – IV**  
**Group B – Urban and Rural Community Development (URCD)**  
**Duration 16 Weeks**

Nature of Course	Course Code	Course	Credits	Contact Hours				Int. & Ext. Marks	Marks
				Lecture	Tutorial	Practice	Total		
CC	CD CC 4.1	Social Legislation	3	35	5	5	45	40+60	100
	CD CC 4.2	Urban Community Development & Municipal Administration	3	35	5	5	45	40+60	100
	CD CC 4.3	Social Inclusion & Exclusion of Weaker Section	3	35	5	5	45	40+60	100
	CD CC 4.4	Rural Economy	3	35	5	5	45	40+60	100
	CD CC 4.5	Study Tour and Concurrent Field Work	4	--	--	256	256	50+50	100
	CD CC 4.6	Field Work Report and Viva-Voce	4	--	--			50+50	100
DSE (Any One)	CD DSE 4.1	Research Project	3	35	5	5	45	40+60	100
	CD DSE 4.2	Corporate Social Responsibility							
	CD DSE 4.3	Women and Society							
GE (Any One)	GE OHS	Occupational Health and Safety	4	45	5	10	60	40+60	100
	GE SDSP	Software Development, Selection & Procurement							
	GE BE	Business Ethics							
AEC	AEC 4 SSD	Soft Skills Development	3	35	5	5	45	40+60	100
<b>Total</b>			<b>30</b>	<b>255</b>	<b>35</b>	<b>296</b>	<b>586</b>		<b>900</b>



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**SEMESTER – IV**  
**Group E – Medical and Psychiatric Social Work (MPSW)**

Duration 16 Weeks

Nature of Course	Course Code	Course	Credits	Contact Hours				Int. & Ext. Marks	Marks
				Lecture	Tutorial	Practice	Total		
CC	MPCC 4.1	Therapeutic Interventions	3	35	5	5	45	40+60	100
	MPCC 4.2	Psychopathology and Mental Health – II	3	35	5	5	45	40+60	100
	MPCC 4.3	Community Psychiatry	3	35	5	5	45	40+60	100
	MPCC 4.4	Social Psychology	3	35	5	5	45	40+60	100
	MPCC 4.5	Concurrent Field Work & Study Tour	4	--	--			50+50	100
	MPCC 4.6	Field Work Report and Viva-Voce	4	--	--	256	256	50+50	100
DSE (Any One)	MPDSE 4.1	Research Project							
	MPDSE 4.2	Community Health							
	MPDSE 4.3	Women and Society	3	35	5	5	45	40+60	100
GE (Any One)	GE OHS	Occupational Health and Safety							
	GE SDSP	Software Development, Selection & Procurement							
	GE BE	Business Ethics	4	45	5	10	60	40+60	100
AEC	AEC 4 SSD	Soft Skills Development	3	35	5	5	45	40+60	100
		<b>Total</b>	<b>30</b>	<b>255</b>	<b>35</b>	<b>296</b>	<b>586</b>		<b>900</b>
		<b>TOTAL MSW I (Sem. I &amp; II)</b>	<b>60</b>				<b>1172</b>		<b>1800</b>
		<b>TOTAL MSW II (Sem. III &amp; IV)</b>	<b>60</b>				<b>1172</b>		<b>1800</b>
		<b>TOTAL MSW I &amp; II</b>	<b>120</b>				<b>2344</b>		<b>3600</b>



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**M.S.W. Programme Structure as per Choice Based Credit System (CBCS)**  
**With effective from 2019-20**  
**MSW – First Year**  
**SEMESTER – I**

2019-21

Duration 16 Weeks

Nature of Course	Course Code	Course	Credits	Contact Hours				Int. & Ext. Marks	Marks
				Lecture	Tutorial	Practice	Total		
CC	CC 1.1	History And Philosophy Of Social Work	3	35	5	5	45	40+60	100
	CC 1.2	Work With Individuals & Families	3	35	5	5	45	40+60	100
	CC 1.3	Work With Groups	3	35	5	5	45	40+60	100
	CC 1.4	Indian Social Problems & Social Services	3	35	5	5	45	40+60	100
	CC 1.5	Orientation and Concurrent Field Work	4	--	--	256	256	50+50	100
	CC 1.6	Field Work Report and Viva-Voce	4	--	--			50+50	100
DSE (Any One)	DSE 1.1	Sociology In relation to Social Work	3	35	5	5	45	40+60	100
	DSE 1.2	Dynamics of Human Behaviour							
GE (Any One)	GE 1.1	Environment & Development	4	45	5	10	60	40+60	100
	GE 1.2	Office Automation							
	GE 1.3	Fundamentals of Management							
	GE 1.4	Principles of Economics							
AEC	AEC 1	Communication	3	35	5	5	45	40+60	100
<b>Total</b>			<b>30</b>	<b>255</b>	<b>35</b>	<b>296</b>	<b>586</b>		<b>900</b>

Note: Concurrent field work 32 hrs = 1 credit  
 Every course (theory) 15 hrs = 1 credit  
 CC : Core Course  
 DSE : Discipline Specific Elective  
 GE : Generic Elective  
 AEC : Ability Enhancement Course



*(Signature)*  
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**MSW – First Year  
SEMESTER – II**

Duration 16 Weeks

Nature of Course	Course Code	Course	Credits	Contact Hours				Int. & Ext. Marks	Marks
				Lecture	Tutorial	Practice	Total		
CC	CC 2.1	Community Organization and Social Action	3	35	5	5	45	40+60	100
	CC 2.2	Social Welfare Administration	3	35	5	5	45	40+60	100
	CC 2.3	Social Work Research	3	35	5	5	45	40+60	100
	CC 2.4	Social Policy, Planning and Development	3	35	5	5	45	40+60	100
	CC 2.5	Rural Camp and Concurrent Field Work	4	--	--	256	256	50+50	100
	CC 2.6	Field Work Report and Viva-Voce	4	--	--			50+50	100
DSE (Any One)	DSE 2.1	Economics in Relation to Social Work	3	35	5	5	45	40+60	100
	DSE 2.2	Social Work Practice in the Field of Health							
GE (Any One)	GE 2.1	Disaster Management	4	45	5	10	60	40+60	100
	GE 2.2	Management Information System (MIS)							
	GE 2.3	Fundamentals of Accounting							
	GE 2.4	Principles of Micro-Economics							
AEC	AEC 2	Statistics	3	35	5	5	45	40+60	100
		<b>Total</b>	<b>30</b>	<b>255</b>	<b>35</b>	<b>296</b>	<b>586</b>		<b>900</b>

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**MSW – SECOND YEAR  
SEMESTER – III**

**Group A – Human Resource Management & Labour Welfare (HRM & LW)**

Duration 16 Weeks

Nature of Course	Course Code	Course	Credits	Contact Hours				Int. & Ext. Marks	Marks
				Lecture	Tutorial	Practice	Total		
CC	HRCC 3.1	Labour Welfare – I	3	35	5	5	45	40+60	100
	HRCC 3.2	Human Resource Management	3	35	5	5	45	40+60	100
	HRCC 3.3	Labour Legislations – I	3	35	5	5	45	40+60	100
	HRCC 3.4	Counselling : Theory & Practice	3	35	5	5	45	40+60	100
	HRCC 3.5	Orientation and Concurrent Field Work	4	--	--	256	256	50+50	100
	HRCC 3.6	Field Work Report and Viva-Voce	4	--	--			50+50	100
DSE (Any One)	HRDSE 3.1	Labour Economics	3	35	5	5	45	40+60	100
	HRDSE 3.2	Trade Unions							
GE (Any One)	GE 3.1	Sustainable Agriculture	4	45	5	10	60	40+60	100
	GE 3.2	E-Commerce							
	GE 3.3	ED- Entrepreneurship Development							
	GE 3.4	Fundamentals of Micro Economics							
AEC	AEC 3T	Computer Application (Theory)	1	15	0	0	15	20+30	50
	AEC 3P	Computer Application (Practicals)	2	0	0	60	60	20+30	50
<b>Total</b>			<b>30</b>	<b>235</b>	<b>30</b>	<b>351</b>	<b>616</b>		<b>900</b>



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**SEMESTER – III**  
**Group B – Urban and Rural Community Development (URCD)**

Duration 16 Weeks

Nature of Course	Course Code	Course	Credits	Contact Hours				Int. & Ext. Marks	Marks
				Lecture	Tutorial	Practice	Total		
CC	CDCC 3.1	Rural and Urban Sociology	3	35	5	5	45	40+60	100
	CDCC 3.2	Rural Community Development	3	35	5	5	45	40+60	100
	CDCC 3.3	Panchayat Raj In India	3	35	5	5	45	40+60	100
	CDCC 3.4	Counselling : Theory & Practice	3	35	5	5	45	40+60	100
	CDCC 3.5	Orientation and Concurrent Field Work	4	--	--	256	256	50+50	100
	CDCC 3.6	Field Work Report and Viva-Voce	4	--	--			50+50	100
DSE (Any One)	CDDSE 3.1	Co-operation	3	35	5	5	45	40+60	100
	CDDSE 3.2	Ecology and Development							
GE (Any One)	GE 3.1	Sustainable Agriculture	4	45	5	10	60	40+60	100
	GE 3.2	E-Commerce							
	GE 3.3	ED- Entrepreneurship Development							
	GE 3.4	Fundamentals of Micro Economics							
AEC	AEC 3T	Computer Application (Theory)	1	15	0	0	15	20+30	50
	AEC 3P	Computer Application (Practicals)	2	0	0	60	60	20+30	50
		<b>Total</b>	<b>30</b>	<b>235</b>	<b>30</b>	<b>351</b>	<b>616</b>		<b>900</b>




  
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**SEMESTER – III**  
**Group E – Medical and Psychiatric Social Work (MPSW)**

Duration 16 Weeks

Nature of Course	Course Code	Course	Credits	Contact Hours				Int. & Ext. Marks	Marks
				Lecture	Tutorial	Practice	Total		
CC	MPCC 3.1	Preventive and Social Medicine	3	35	5	5	45	40+60	100
	MPCC 3.2	Psychopathology and Mental Health – I	3	35	5	5	45	40+60	100
	MPCC 3.3	Medical and Psychiatric Social Work	3	35	5	5	45	40+60	100
	MPCC 3.4	Counselling : Theory & Practice	3	35	5	5	45	40+60	100
	MPCC 3.5	Orientation and Concurrent Field Work	4	--	--	256	256	50+50	100
	MPCC 3.6	Field Work Report and Viva-Voce	4	--	--			50+50	100
DSE (Any One)	MPDSE 3.1	Developmental Psychology	3	35	5	5	45	40+60	100
	MPDSE 3.2	Hospital Management							
GE (Any One)	GE 3.1	Sustainable Agriculture	4	45	5	10	60	40+60	100
	GE 3.2	E-Commerce							
	GE 3.3	ED- Entrepreneurship Development							
	GE 3.4	Fundamentals of Micro Economics							
AEC	AEC 3T	Computer Application (Theory)	1	15	0	0	15	20+30	50
	AEC 3 P	Computer Application (Practicals)	2	0	0	60	60	20+30	50
		<b>Total</b>	<b>30</b>	<b>235</b>	<b>30</b>	<b>351</b>	<b>616</b>		<b>900</b>



  
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## MSW – SECOND YEAR

### SEMESTER – IV

#### Group A – Human Resource Management & Labour Welfare (HRM & LW)

Duration 16 Weeks

Nature of Course	Course Code	Course	Credits	Contact Hours				Int. & Ext. Marks	Marks
				Lecture	Tutorial	Practice	Total		
CC	HRCC 4.1	Labour Welfare – II	3	35	5	5	45	40+60	100
	HRCC 4.2	Labour Legislations – II	3	35	5	5	45	40+60	100
	HRCC 4.3	Organizational Behavior	3	35	5	5	45	40+60	100
	HRCC 4.4	Industrial Relations	3	35	5	5	45	40+60	100
	HRCC 4.5	Study Tour and Concurrent Field Work	4	--	--	256	256	50+50	100
	HRCC 4.6	Field Work Report and Viva-Voce	4	--	--			50+50	100
DSE (Any One)	HRDSE 4.1	Research Project	3	35	5	5	45	40+60	100
	HRDSE 4.2	Corporate Social Responsibility							
	HRDSE 4.3	Women and Society							
GE (Any One)	GE 4.1	Land and Watershed Management	4	45	5	10	60	40+60	100
	GE 4.2	Data Base Management System(DBMS)							
	GE 4.3	Business Ethics							
	GE 4.4	Indian Economy							
AEC	AEC 4	Soft Skills Development	3	35	5	5	45	40+60	100
<b>Total</b>			<b>30</b>	<b>255</b>	<b>35</b>	<b>296</b>	<b>586</b>		<b>900</b>

\*Note: There is no Theory Examination for DSE 4.1, DSE 4.2 & DSE 4.3 Paper. However there will be special assignments like Seminar, Class assignments, etc. to be conducted by respective faculty members and external examiner.



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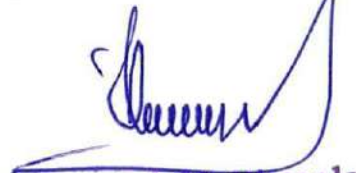
**SEMESTER – IV**  
**Group B – Urban and Rural Community Development (URCD)**

Duration 16 Weeks

Nature of Course	Course Code	Course	Credits	Contact Hours				Int. & Ext. Marks	Marks
				Lecture	Tutorial	Practice	Total		
CC	CDCC 4.1	Social Legislation	3	35	5	5	45	40+60	100
	CDCC 4.2	Urban Community Development & Municipal Administration	3	35	5	5	45	40+60	100
	CDCC 4.3	Social Inclusion & Exclusion of Weaker Section	3	35	5	5	45	40+60	100
	CDCC 4.4	Rural Economy	3	35	5	5	45	40+60	100
	CDCC 4.5	Study Tour and Concurrent Field Work	4	--	--	256	256	50+50	100
	CDCC 4.6	Field Work Report and Viva-Voce	4	--	--			50+50	100
DSE (Any One)	CDDSE 4.1	Research Project	3	35	5	5	45	40+60	100
	CDDSE 4.2	Corporate Social Responsibility							
	CDDSE 4.3	Women and Society							
GE (Any One)	GE 4.1	Land and Watershed Management	4	45	5	10	60	40+60	100
	GE 4.2	Data Base Management System(DBMS)							
	GE 4.3	Business Ethics							
	GE 4.4	Indian Economy							
AEC	AEC 4	Soft Skills Development	3	35	5	5	45	40+60	100
<b>Total</b>			<b>30</b>	<b>255</b>	<b>35</b>	<b>296</b>	<b>586</b>		<b>900</b>

\*Note: There is no Theory Examination for DSE 4.1, DSE 4.2 & DSE 4.3 Paper. However there will be special assignments like Seminar, Class assignments, etc. to be conducted by respective faculty members and external examiner.



  
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**SEMESTER – IV**  
**Group E – Medical and Psychiatric Social Work (MPSW)**

Duration 16 Weeks

Nature of Course	Course Code	Course	Credits	Contact Hours				Int. & Ext. Marks	Marks
				Lecture	Tutorial	Practice	Total		
CC	MPCC 4.1	Therapeutic Interventions	3	35	5	5	45	40+60	100
	MPCC 4.2	Psychopathology and Mental Health – II	3	35	5	5	45	40+60	100
	MPCC 4.3	Community Psychiatry	3	35	5	5	45	40+60	100
	MPCC 4.4	Social Psychology	3	35	5	5	45	40+60	100
	MPCC 4.5	Study Tour and Concurrent Field Work	4	--	--	256	256	50+50	100
	MPCC 4.6	Field Work Report and Viva-Voce	4	--	--			50+50	100
DSE (Any One)	MPDSE 4.1	Research Project	3	35	5	5	45	40+60	100
	MPDSE 4.2	Community Health							
	MPDSE 4.3	Women and Society							
GE (Any One)	GE 4.1	Land and Watershed Management	4	45	5	10	60	40+60	100
	GE 4.2	Data Base Management System(DBMS)							
	GE 4.3	Business Ethics							
	GE 4.4	Indian Economy							
AEC	AEC 4	Soft Skills Development	3	35	5	5	45	40+60	100
		<b>Total</b>	<b>30</b>	<b>255</b>	<b>35</b>	<b>296</b>	<b>586</b>		<b>900</b>
		<b>TOTAL MSW I (Sem I &amp; Sem II)</b>	<b>60</b>				<b>1172</b>		<b>1800</b>
		<b>TOTAL MSW II (Sem III &amp; Sem IV)</b>	<b>60</b>				<b>1172</b>		<b>1800</b>
		<b>TOTAL MSW I &amp; II</b>	<b>120</b>				<b>2344</b>		<b>3600</b>

\*Note: There is no Theory Examination for DSE 4.1, DSE 4.2 & DSE 4.3 Paper. However there will be special assignments like Seminar, Class assignments, etc. to be conducted by respective faculty members and external examiner.



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