

**Course Structure
for 4 Year Bachelor of Arts (B. A.) in Economics
under CBCS System**

(A) Major Core Courses

Sl. No.	Sem.	Type of Course	Name of Course	Credits	Marks
1.	I	MJC-1	Introductory Microeconomics	6	100
2.	II	MJC-2	Mathematical Methods in Economics	6	100
3.	III	MJC-3	Introductory Macroeconomics	5	100
4.	III	MJC-4	Statistical Methods in Economics	4	100
5.	IV	MJC-5	Intermediate Microeconomics 1	5	100
6.	IV	MJC-6	Intermediate Macroeconomics	5	100
7.	IV	MJC-7	Indian Economy	5	100
8.	V	MJC-8	Intermediate Microeconomics 2	5	100
9.	V	MJC-9	Public Finance	5	100
10.	VI	MJC-10	International Economics	4	100
11.	VI	MJC-11	Contemporary Issues in Indian Economy	5	100
12.	VI	MJC-12	Development Economics	5	100
13.	VII	MJC-13	Advanced Quantitative Methods	5	100
14.	VII	MJC-14	Banking and Financial Institutions	5	100
15.	VII	MJC-15	Research Methodology	6	100
16.	VIII	MJC-16	Economics of Health and Education	4	100

Sub Total = 80

(B) Minor Courses to be offered by the Department for students of other Departments of Social Science

Sl. No.	Sem	Type of Course	Name of Course	Credits	Marks
1.	I	MIC-1	Introductory Microeconomics	3	100
2.	II	MIC-2	Mathematical Methods in Economics	3	100
3.	III	MIC-3	Introductory Macroeconomics	3	100
4.	IV	MIC-4	Statistical Methods in Economics	3	100
5.	V	MIC-5	Intermediate Microeconomics 1	3	100
6.	V	MIC-6	Intermediate Macroeconomics	3	100
7.	VI	MIC-7	Indian Economy	3	100
8.	VI	MIC-8	Intermediate Microeconomics 2	3	100
9.	VII	MIC-9	Public Finance	4	100
10.	VIII	MIC-10	International Economics	4	100

Sub Total = 32

Note: The Department may reduce the syllabus of the Minor Courses as per the credit distribution. The Department concerned may also decide practical courses.

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(C) Multidisciplinary Courses to be offered

Sl. No.	Sem	Type of Course	Name of Course	Credits	Marks
1.	I	MDC-1	To be selected from the basket	3	100
2.	II	MDC-2	To be selected from the basket	3	100
3.	III	MDC-3	To be selected from the basket	3	100

Sub Total = 09

(D) Ability Enhancement Courses to be offered

Sl. No.	Sem	Type of Course	Name of Course	Credits	Marks
1.	I	AEC-1	MIL	2	100
2.	II	AEC-2	Environmental Science	2	100
3.	III	AEC-3	Disaster Risk Management	2	100
4.	IV	AEC-4	NCC/NSS/NGOs/Social Service/ Scout and Guide/Sports	2	100

Sub Total = 08

(E) Skill Enhancement Courses to be offered

Sl. No.	Sem	Type of Course	Name of Course	Credits	Marks
1.	I	SEC-1	To be selected from the basket	3	100
2.	II	SEC-2	To be selected from the basket	3	100
3.	III	SEC-3	To be selected from the basket	3	100

Sub Total = 09

(F) Value Added Courses to be offered

Sl. No.	Sem	Type of Course	Name of Course	Credits	Marks
1.	I	VAC-1	To be selected from the basket	3	100
2.	II	VAC-2	To be selected from the basket	3	100

Sub Total = 06

Sl. No.	Sem	Type of Course	Name of Course	Credits	Marks
1.	v	INT-1	Summer Internship	4	100

Sl. No.	Sem	Type of Course	Name of Course	Credits	Marks
1.	VIII	RP-1	Research/Dissertation	12	100

Grand Total = 160 Credits

(G) Basket for Multidisciplinary Courses (MDC)

To be decided by Respective Department

(H) Basket for Skill Enhancement Courses (SEC)

See at the end of structure (this booklet)

(I) Basket for Value Added Courses (VAC)

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**Course Structure
for 4 Year Bachelor of Arts (B. A.) in Economics
under CBCS System**

(A) Major Core Courses

Sl. No.	Sem.	Type of Course	Name of Course	Credits	Marks
1.	I	MJC-1	Introductory Microeconomics	6	100
2.	II	MJC-2	Mathematical Methods in Economics	6	100
3.	III	MJC-3	Introductory Macroeconomics	5	100
4.	III	MJC-4	Statistical Methods in Economics	4	100
5.	IV	MJC-5	Intermediate Microeconomics 1	5	100
6.	IV	MJC-6	Intermediate Macroeconomics	5	100
7.	IV	MJC-7	Indian Economy	5	100
8.	V	MJC-8	Intermediate Microeconomics 2	5	100
9.	V	MJC-9	Public Finance	5	100
10.	VI	MJC-10	International Economics	4	100
11.	VI	MJC-11	Contemporary Issues in Indian Economy	5	100
12.	VI	MJC-12	Development Economics	5	100
13.	VII	MJC-13	Advanced Quantitative Methods	5	100
14.	VII	MJC-14	Banking and Financial Institutions	5	100
15.	VII	MJC-15	Research Methodology	6	100
16.	VIII	MJC-16	Economics of Health and Education	4	100

Sub Total = 80

(B) Minor Courses to be offered by the Department for students of other Departments of Social Science

Sl. No.	Sem	Type of Course	Name of Course	Credits	Marks
1.	I	MIC-1	Introductory Microeconomics	3	100
2.	II	MIC-2	Mathematical Methods in Economics	3	100
3.	III	MIC-3	Introductory Macroeconomics	3	100
4.	IV	MIC-4	Statistical Methods in Economics	3	100
5.	V	MIC-5	Intermediate Microeconomics 1	3	100
6.	V	MIC-6	Intermediate Macroeconomics	3	100
7.	VI	MIC-7	Indian Economy	3	100
8.	VI	MIC-8	Intermediate Microeconomics 2	3	100
9.	VII	MIC-9	Public Finance	4	100
10.	VIII	MIC-10	International Economics	4	100

Sub Total = 32

Note: The Department may reduce the syllabus of the Minor Courses as per the credit distribution. The Department concerned may also decide practical courses.

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(C) Multidisciplinary Courses to be offered

Sl. No.	Sem	Type of Course	Name of Course	Credits	Marks
1.	I	MDC-1	To be selected from the basket	3	100
2.	II	MDC-2	To be selected from the basket	3	100
3.	III	MDC-3	To be selected from the basket	3	100

Sub Total = 09

(D) Ability Enhancement Courses to be offered

Sl. No.	Sem	Type of Course	Name of Course	Credits	Marks
1.	I	AEC-1	MIL	2	100
2.	II	AEC-2	Environmental Science	2	100
3.	III	AEC-3	Disaster Risk Management	2	100
4.	IV	AEC-4	NCC/NSS/NGOs/Social Service/ Scout and Guide/Sports	2	100

Sub Total = 08

(E) Skill Enhancement Courses to be offered

Sl. No.	Sem	Type of Course	Name of Course	Credits	Marks
1.	I	SEC-1	To be selected from the basket	3	100
2.	II	SEC-2	To be selected from the basket	3	100
3.	III	SEC-3	To be selected from the basket	3	100

Sub Total = 09

(F) Value Added Courses to be offered

Sl. No.	Sem	Type of Course	Name of Course	Credits	Marks
1.	I	VAC-1	To be selected from the basket	3	100
2.	II	VAC-2	To be selected from the basket	3	100

Sub Total = 06

Sl. No.	Sem	Type of Course	Name of Course	Credits	Marks
1.	v	INT-1	Summer Internship	4	100

Sl. No.	Sem	Type of Course	Name of Course	Credits	Marks
1.	VIII	RP-1	Research/Dissertation	12	100

Grand Total = 160 Credits

(G) Basket for Multidisciplinary Courses (MDC)

To be decided by Respective Department

(H) Basket for Skill Enhancement Courses (SEC)

See at the end of structure (this booklet)

(I) Basket for Value Added Courses (VAC)

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SEMESTER - II
MJC-2: MATHEMATICAL METHODS IN ECONOMICS
(Credit – 6)

Course Outcomes

After the completion of the course, the student will be able to:

- CO1:** Apply methods of various mathematical techniques to economic theory in general.
CO2: Understand and have a clear vision, related to various economic theories by the use of different testable propositions or formulas.
CO3: Learn Set and Set Operations.
CO4: Use Differential and Integral Calculus and its economic application

Unit	Topics to be covered	No. of Lectures
1	Preliminaries: Logic and proof techniques; Sets and Set Operations, Ordered pairs and Cartesian Products Functions and their Properties Number System Basic idea of Permutation and Combination Progression: Arithmetic, Geometric and Harmonic Progression.	20
2	Functions of One Variable a. Graphs; Elementary types of Functions: Quadratic, Polynomial, Power, Exponential and Logarithmic Functions. b. Sequences and Series: Convergence and Divergence, Algebraic Properties and Applications. c. Continuous Functions: Characteristics and Properties of Continuous Functions, Convergence and Divergence. d. Limit of a Function: Method to Evaluate the Limit of Algebraic, Logarithmic and Exponential Functions.	25
3	Rules of Differentiation: Differentiable Functions; Derivatives of Sum, Difference, Product and Quotient Functions; Second and higher order derivatives; Applications of differentiation in Economics.	20
4	Single-Variable Optimization: Conditions for Maxima and Minima; simple applications of maxima and minima in economics – maximization of profit/ net revenue, cost minimization.	15
Total Lectures		80

Suggested Readings:

1. K. Sydsaeter and P. Hammond, *Mathematics for Economic Analysis*, Pearson Educational Asia: Delhi, 2002.
2. Chiang, A. C., *Fundamental Methods of Mathematical Economics*, McGraw Hill, New York

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LIST OF SKILL ENHANCEMENT COURSES (SEC)

SL. NO.	Course Title	LTP Distribution of the Course			Total Credits:	Total Marks = 100
		L	T	P		
1	Advance Spreadsheet Tools	1	0	3	3	End-Term Appraisal : 70 Marks Internal Assessment: 30 Marks
2	Basic IT Tools	1	0	3	3	
3	Beginners Course to Calligraphy	1	0	3	3	
4	Big Data Analysis	1	0	3	3	
5	Business Communication	1	0	3	3	
6	Communication in Everyday life	1	0	3	3	
7	Communication in Professional Life	1	0	3	3	
8	Creative Writing	1	0	3	3	
9	Digital Marketing	1	0	3	3	
10	Graphic Design & Animation	1	0	3	3	
11	Introduction to Cloud Computing (AWS)	1	0	3	3	
12	Personal Financial Planning	1	0	3	3	
13	Personality Development & Communication	1	0	3	3	
14	Prospecting E-waste for sustainability	1	0	3	3	
15	Public Speaking in English Language & Leadership	1	0	3	3	
16	Statistical Software Package	1	0	3	3	
17	Sustainable Ecotourism & Entrepreneurship	1	0	3	3	
18	Visual Communication & Photography	1	0	3	3	
19	पटकथा लेखन	1	0	3	3	
20	रंगमंच	1	0	3	3	
21	रचनात्मक लेखन	1	0	3	3	

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Abhinav

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List of Value-Added Course (VAC)

SL. No.	Course Title	LTP Distribution of the Course			Total Credits:	Total Marks = 100
		L	T	P		
1	Art of Being Happy	1	0	3	3	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">End -Term Appraisal : 70 Marks</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Internal Assessment: 30 Marks</div> </div>
2	Ayurveda & Nutrition	1	0	3	3	
3	Constitutional Values & Fundamental Duties	1	0	3	3	
4	Culture & Communication	1	0	3	3	
5	Digital Empowerment	1	0	3	3	
6	Ecology & Literature	1	0	3	3	
7	Emotional Intelligence	1	0	3	3	
8	Ethics and Culture	1	0	3	3	
9	Ethics & Values in Ancient Indian Tradition	1	0	3	3	
10	Financial Literacy	1	0	3	3	
11	Fit India	1	0	3	3	
12	Gandhi & Education	1	0	3	3	
13	Panchakosha: Holistic Development of Personality	1	0	3	3	
14	Social & Emotional Learning	1	0	3	3	
15	Sports for life	1	0	3	3	
16	Swach Bharat	1	0	3	3	
17	Vedic Mathematics	1	0	3	3	
18	Yoga Philosophy & Practice	1	0	3	3	
19	भारतीय भक्ति परम्परा और मानव मूल्य	1	0	3	3	
20	सृजनात्मक लेखन के आयाग	1	0	3	3	

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