

# BARASAT GOVT COLLEGE

## UNDER GRADUATE DEPARTMENT OF ECONOMICS

### B.Sc. Economics (Hons) CBCS Syllabus

With effect from 2018-19

#### Program Outcome (PO)

PO 1	Disciplinary knowledge:
PO 2	Analytical Skill.
PO 3	Scientific reasoning:
PO 4	Information/digital literacy:
PO 5	Research-related skills
PO 6	Critical Thinking
PO 7	Lifelong learning
PO 8	Cooperation/Team work
PO 9	Problem solving

# **BARASAT GOVT COLLEGE**

## **UNDER GRADUATE DEPARTMENT OF ECONOMICS**

### **B.Sc. Economics (Hons) CBCS Syllabus**

**With effect from 2018-19**

### **Programme Specific Outcomes (PSO)**

**Economics Honours program is designed in a way so that it can serve the following purposes:**

- **PSO1:** Students learn fundamental principles of Microeconomics and Macroeconomics such as the theories of consumer behaviour, producer behaviour, national income, inflation, unemployment, wages and interest rate and the relevant policy issues.
- **PSO2:** Students learn tools of Statistics, Econometrics and Mathematics to test the existing economic theories with data from the real world and estimate different crucial parameters for the economy.
- **PSO3:** Students are gradually exposed to the theories and applications of different branches of the subject which are interdisciplinary in nature such as Indian Economy, international trade, development and public economics, Environmental Economics, Health Economics etc.
- **PSO4:** Students can apply their knowledge of economics to explain some specific issues in the discipline on their own. Which certainly inspire their creativity and enhance their confidence level to work independently.
- **PSO5:** The program is helpful for students who will seek for jobs especially in administrative services and financial institutions. The understanding of the Indian economy and its institutions along with the knowledge of statistical and econometric techniques and packages place them in an advantageous position in the job market.
- **PSO6:** This grounding in the subject equipped them to pursue higher studies and research.
- **PSO7:** Learn the basic tenants of computer programming and use of data processing software.

**BARASAT GOVERNMENT COLLEGE**  
**Course Outcome or Learning Outcome**  
**Three year B.A. /B.Sc. Degree Course**  
**Under CBCS semester system**  
**HONOURS COURSE IN ECONOMICS**  
**With effect from the session: 2018 – 2019**

**Course Name:** Core Course-1  
**Course Code:** ECOACOR01T  
**Topic Name:** INTRODUCTORY MICROECONOMICS

CO, PO & PSO Mapping					
Course Outcome:	SI No	Course outcome	Knowledge level Blooms Level	POs Mapping	PSOs mapping
	CO1	Conceptualise the scope and objectives of the subject	L1 Remembering	1,2,3,4,5,7,9	1,4,5,6,7
	CO2	Realise basic difference between understanding Economy from individual pints of view and societal pints of view	L2 Understanding	1,3,4,5,6,7,9	1,4,5,6,7
	CO3	Understand the fundamental problems of an economy and optimal allocation of resources to meet the needs of the society	L2 Understanding	1,2,3,4,5,7,9	1,4,5,6,7
	CO4	Learn and apply the market clearing mechanism for setting up equilibrium price and quantity depending on the demand and supply structures from	L3 Applying	1,3,4,5,6,7,9	1,4,5,6,7
	CO5	Learn and analyze how various economic agents such as, consumers; firms, producers etc behave rationally to optimize their goals given the economic resources and constraint	L4 Annalysing	1,2,3,4,5,7,9	1,4,5,6,7
	CO6	Conceptualise and compare between basic idea regarding different market structure in Perfectly competitive and imperfectly competitive market set up	L3 Applying	1,3,4,5,6,7,9	1,4,5,6,7

Program Articulation Matrix (CO-PO Matrix)																			
PO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	1	2	2	1		1		1		3			1	1	1	1		
CO2	3		2	1	2	1	2		3		3			1	2	2	2		
CO3	3	2	1	3	3		2		3		3			2	1	1	1		
CO4	3		2	3	3	2	3		2		3			2	2	3	2		
CO5	3	3	1	2	2		2		3		3			3	3	3	3		
CO6	3		3	3	3	3	2		3		3			3	3	3	3		
											3								
Average	3.00	2.00	1.83	2.33	2.33	2.00	2.00		2.50		3.00			2.00	2.00	2.17	2.00		

**BARASAT GOVERNMENT COLLEGE**  
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**HONOURS COURSE IN ECONOMICS**  
**With effect from the session: 2018 – 2019**

Course Name: Core Course-2

Course Code: ECOACOR02T

Topic Name: MATHEMATICAL METHODS FOR ECONOMICS-I

CO, PO & PSO Mapping					
Course Outcome:	SI No	Course outcome	Knowledge level Blooms Level	POs Mapping	PSOs mapping
	CO1	Understand the fundamentals of basic mathematics that enable the creation of economic theory in	L2 Understanding	1,2,3,4,5,7,9	2,4,5,6,7
	CO2	Apply different mathematical techniques to problems related to economic theory in general	L3 Applying	1,3,4,5,6,7,9	2,4,5,6,7
	CO3	Learn the process of optimization and constraint optimization techniques	L2 Understanding	1,3,4,5,6,7,9	2,4,5,6,7
	CO4	learn how to deal with multiple variable economic problems and Simultaneous Linear Systems	L3 Applying	1,2,3,4,5,7,9	2,4,5,6,7
	CO5	Solve real word economic problems applying optimization related mathematical techniques	L3 Applying	1,3,4,5,6,7,9	2,4,5,6,7
	CO6	In this course, particular economic models are not the ends and the material is to be taught is indicated by the contents of the prescribed textbook	L4 Annalysing	1,3,4,5,6,7,9	2,4,5,6,7

Program Articulation Matrix (CO-PO Matrix)																			
PO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	1	2	1	2		3		2			3		1	1	2	2		
CO2	3		1	3	1	1	2		3			3		1	1	1	1		
CO3	3		2	2	3	3	1		1			3		2	2	2	2		
CO4	3	2	1	3	2		3		3			3		2	2	3	3		
CO5	3		3	2	3	2	3		3			3		3	2	3	2		
CO6	3		2	2	3	2	2		3			3		3	3	3	3		
Average	3.00	1.50	1.83	2.17	2.33	2.00	2.33		2.50			3.00		2.00	1.83	2.33	2.17		

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**HONOURS COURSE IN ECONOMICS**  
**With effect from the session: 2018 – 2019**

Course Name: Core Course-3

Course Code: ECOACOR03T

Topic Name: INTRODUCTORY MACROECONOMICS

CO, PO & PSO Mapping					
Course Outcome:	SI No	Course outcome	Knowledge level Blooms Level	POs Mapping	PSOs mapping
	CO1	Understand nature, construction and measurement of key macroeconomic variables of an Economy	L2 Understanding	1,2,3,4,5,7,9	1,4,5,6,7
	CO2	Realise retaliation between different macro variables	L4 Annalysing	1,3,4,5,6,7,9	1,4,5,6,7
	CO3	Learn the measurement of different components of national income	L1 Remembering	1,2,3,4,5,7,9	1,4,5,6,7
	CO4	Realise the importance of national income as an indicator of human well being and the actual problems for measuring national income of a country	L4 Annalysing	1,3,4,5,6,7,9	1,4,5,6,7
	CO5	Get an idea regarding the determination of income ,output & price in short run and long run with essential impacts of fiscal and monetary policy variables in different macroeconomic setup ( Classical and Simple Keynesian )	L3 Applying	1,2,,3,4,5,7,9	1,4,5,6,7
	CO6	Acquire knowledge regarding different concepts of money and inflation	L2 Understanding	1,3,4,5,6,7,9	1,4,5,6,7

Program Articulation Matrix (CO-PO Matrix)																			
PO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	2	1	1	3		3		2		3			1	2	2	2		
CO2	3		1	2	3	1	1		1		3			3	1	3	2		
CO3	3	2	2	3	2		2		3		3			3	2	3	1		
CO4	3		2	2	1	3	2		3		3			2	3	2	3		
CO5	3	3	3	3	3		3		2		3			2	1	1	2		
CO6	3		3	3	3	2	2		3		3			2	2	3	3		
Average	3.00	2.33	2.00	2.33	2.50	2.00	2.17		2.33		3.00			2.17	1.83	2.33	2.17		

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**With effect from the session: 2018 – 2019**

Course Name: Core Course-4

Course Code: ECOACOR04T

Topic Name: STATISTICAL METHODS FOR ECONOMICS-I

CO, PO & PSO Mapping					
Course Outcome:	SI No	Course outcome	Knowledge level Blooms Level	POs Mapping	PSOs mapping
	CO1	learn how to collect and represent a data set	L2 Understanding	1,2,3,4,5,7,9	2,4,5,6,7
	CO2	Perceive the characteristics of collected sample data such as homogeneity , heterogeneity, consistency etc using various methods of statistical measurements	L4 Annalysing	1,3,4,5,6,7,9	2,4,5,6,7
	CO3	Compare among different sets of data	L3 Applying	1,2,3,4,5,7,9	2,4,5,6,7
	CO4	learn how to deal with the bivariate setup and measure the degree and the direction of association in bivariate setup	L1 Remembering	1,3,4,5,6,7,9	2,4,5,6,7
	CO5	Understand statistical measurements of time series component and Apply the techniques for real world Economic problem	L2 Understanding	1,2,3,4,5,7,9	2,4,5,6,7
	CO6	Construct Index number to measure the changes of different economic variable between two time period	L6 Creating	1,2,3,4,5,7,9	2,4,5,6,7

Program Articulation Matrix (CO-PO Matrix)																			
PO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	2	2	1	1		1		2			3		2	1	1	2		
CO2	3		2	2	2	2	2		1			3		1	2	2	3		
CO3	3	1	3	3	3		3		3			3		2	1	3	1		
CO4	3		1	2	3	3	2		3			3		2	2	2	3		
CO5	3	3	1	3	3		2		3			3		3	2	3	3		
CO6	3	3	3	3	3		2		3			3		2	3	3	3		
Average	3.00	2.25	2.00	2.33	2.50	2.50	2.00		2.50			3.00		2.00	1.83	2.33	2.50		

**BARASAT GOVERNMENT COLLEGE**  
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**HONOURS COURSE IN ECONOMICS**  
**With effect from the session: 2018 – 2019**

**Course Name:** Core Course-5  
**Course Code:** ECOACOR05T  
**Topic Name:** INTERMEDIATE MICROECONOMICS-I;

CO, PO & PSO Mapping					
Course Outcome:	SI No	Course outcome	Knowledge level Blooms Level	POs Mapping	PSOs mapping
	CO1	Compare between short run and long run behavior of firms in a given demand condition under Perfectly competitive set up	L3 Applying	1,2,3,4,5,7,9	1,4,5,6,7
	CO2	Acquire knowledge and compare between the short run and long run behaviour of firms in a given demand condition under different imperfectly	L1 Remembering	1,3,4,5,6,7,9	1,4,5,6,7
	CO3	Understand how to determine optimal price and employment of an input in different market structures	L2 Understanding	1,3,4,5,6,7,9	1,4,5,6,7
	CO4	Get an idea about the role of the labour union in determining wage rates	L2 Understanding	1,3,4,5,6,7,9	1,4,5,6,7
	CO5	Check whether the independent action by each economic agent is consistent while there is interdependence among the economic agents	L5 Evaluating	1,2,3,4,5,7,9	1,4,5,6,7
	CO6	Compare between choice in the presence of risk and choice in the absence of risk and to measure reduce risk	L4 Annalysing	1,3,4,5,6,7,9	1,4,5,6,7

Program Articulation Matrix (CO-PO Matrix)																			
PO \ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	2	2	1	3		1		2		3			1	1	1	1		
CO2	3		2	3	3	1	2		3		3			2	1	2	2		
CO3	3		2	3	1	3	3		3		3			2	3	3	2		
CO4	3		1	1	2	3	2		1		3			2	2	2	3		
CO5	3	2	2	2	2		2		3		3			2	2	3	3		
CO6	3		2	2	3	2	3		3		3			3	2	3	3		
Average	3.00	2.00	1.83	2.00	2.33	2.25	2.17		2.50		3.00			2.00	1.83	2.33	2.33		

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**With effect from the session: 2018 – 2019**

**Course Name:** Core Course-6  
**Course Code:** ECOACOR06T  
**Topic Name:** INTERMEDIATE MACROECONOMICS-I;

CO, PO & PSO Mapping					
Course Outcome:	SI No	Course outcome	Knowledge level Blooms Level	POs Mapping	PSOs mapping
	CO1	Learn and compare between various alternative theories of output and employment determination in a closed economy in the short run as well as long run, and evaluate the role of state policy in this context	L1 Remembering	1,2,3,4,5,7,9	1,4,5,6,7
	CO2	Understand the macroeconomic foundation of various aggregative concepts used in the previous course..	L2 Understanding	1,3,4,5,6,7,9	1,4,5,6,7
	CO3	Get an idea about the causes and effects of different types of inflation and inflation unemployment trade off in an economy	L4 Annalysing	1,2,3,4,5,7,9	1,4,5,6,7
	CO4	Aware of Recent development in macroeconomic concepts with special reference to Real Business Cycle and New Keynesian Economics	L2 Understanding	1,2,3,4,5,7,9	1,4,5,6,7
	CO5	Analyze analyze the interactions between different countries in the short run through open economy model	L4 Annalysing	1,3,4,5,6,7,9	1,4,5,6,7
	CO6	Solve different real world macroeconomic problems of an Economy	L3 Applying	1,3,4,5,6,7,9	1,4,5,6,7

Program Articulation Matrix (CO-PO Matrix)																			
PO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	2	1	1	3		1		1		3			3	1	1	1		
CO2	3		3	2	2	1	2		3		3			1	1	2	1		
CO3	3	2	2	3	1		3		1		3			1	2	2	2		
CO4	3	3	2	2	2		3		3		3			2	3	3	3		
CO5	3		1	3	3	3	2		2		3			2	2	3	3		
CO6	3		2	3	2	2	3		3		3			2	2	3	3		
Average	3.00	2.33	1.83	2.33	2.17	2.00	2.33		2.17		3.00			1.83	1.83	2.33	2.17		



**BARASAT GOVERNMENT COLLEGE**  
**Course Outcome or Learning Outcome**  
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**HONOURS COURSE IN ECONOMICS**  
**With effect from the session: 2018 – 2019**

Course Name: Core Course-7

Course Code: ECOACOR07T

Topic Name: MATHEMATICAL METHODS FOR ECONOMICS-II

CO, PO & PSO Mapping					
Course Outcome:	SI No	Course outcome	Knowledge level Blooms Level	POs Mapping	PSOs mapping
	CO1	Understand the basic mathematics that enables the creation of economic theory in general.	L2 Understanding	1,2,3,4,5,7,9	2,4,5,6,7
	CO2	Understand the application of mathematical techniques to economic theory specifically the courses on micro economic theory and macroeconomic theory set out in this Syllabus.	L2 Understanding	1,3,4,5,6,7,9	2,4,5,6,7
	CO3	Understand and solve linear Programming Problems, problems on interdependence industry relation ,game theory and simultaneous equation system	L3 Applying	1,2,3,4,5,7,9	2,4,5,6,7
	CO4	Apply nonlinear programming techniques to solve different economic problems.	L3 Applying	1,2,3,4,5,7,9	2,4,5,6,7
	CO5	Conceptualise and apply Dynamical mathematical methods of problem solving	L4 Annalysing	1,3,4,5,6,7,9	2,4,5,6,7
	CO6	In this course, particular economic models are not the ends, but the end is the means for illustrating the specific methods of applying Mathematical techniques to economic theory	L3 Applying	1,3,4,5,6,7,9	2,4,5,6,7

Program Articulation Matrix (CO-PO Matrix)																			
PO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	2	2	1	2		2		2			3		1	1	2	1		
CO2	3		2	2	3	1	1		1			3		2	1	1	2		
CO3	3	3	1	3	2		3		3			2		1	1	3	3		
CO4	3	1	3	2	2		2		3			3		2	2	3	3		
CO5	3		3	2	3	2	3		2			3		3	3	3	3		
CO6	3		3	3	2	3	2		3			3		2	2	3	3		
Average	3.00	2.00	2.33	2.17	2.33	2.00	2.17		2.33			2.83		1.83	1.67	2.50	2.50		

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**HONOURS COURSE IN ECONOMICS**  
**With effect from the session: 2018 – 2019**

**Course Name:** Core Course-8  
**Course Code:** ECOACOR08T  
**Topic Name:** INTERMEDIATE MICROECONOMICS-II

CO, PO & PSO Mapping					
Course Outcome:	SI No	Course outcome	Knowledge level Blooms Level	POs Mapping	PSOs mapping
	CO1	Have conceptual clarity to the use of mathematical tools and reasoning	L3 Applying	1,3,4,5,6,7,9	1,4,5,6,7
	CO2	Know the strategic behavior of oligopolistic firms and apply the knowledge to real world Problems	L3 Applying	1,3,4,5,6,7,9	1,4,5,6,7
	CO3	Understand and analyse market failure	L2 Understanding	1,2,3,4,5,7,9	1,4,5,6,7
	CO4	Learn about general equilibrium and concepts of welfare,	L1 Remembering	1,2,3,4,5,7,9	1,4,5,6,7
	CO5	Get idea regarding imperfect markets and topics under information economics	L2 Understanding	1,3,4,5,6,7,9	1,4,5,6,7
	CO6	Acquire knowledge regarding input market	L2 Understanding	1,3,4,5,6,7,9	1,4,5,6,7

Program Articulation Matrix (CO-PO Matrix)																			
PO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3		2	1	1	2	1		1		3			2	1	2	1		
CO2	3		1	2	2	3	1		1		3			2	1	1	3		
CO3	3	2	1	3	3		2		2		3			1	2	2	2		
CO4	3	2	2	2	3		2		3		3			2	2	3	3		
CO5	3		3	1	3	3	3		3		3			3	3	3	3		
CO6	3		3	3	2	1	3		2		3			2	2	3	3		
Average	3.00	2.00	2.00	2.00	2.33	2.25	2.00		2.00		3.00			2.00	1.83	2.33	2.50		

**BARASAT GOVERNMENT COLLEGE**  
**Course Outcome or Learning Outcome**  
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**HONOURS COURSE IN ECONOMICS**  
**With effect from the session: 2018 – 2019**

**Course Name:** Core Course-9  
**Course Code:** ECOACOR09T  
**Topic Name:** INTERMEDIATE MACROECONOMICS-II

CO, PO & PSO Mapping					
Course Outcome:	SI No	Course outcome	Knowledge level Blooms Level	POs Mapping	PSOs mapping
	CO1	Have an idea about the long run dynamic issues like growth and technical progress	L2 Understanding	1,2,3,4,5,7,9	1,4,5,6,7
	CO2	Gather knowledge about the micro-foundations to the various aggregative concepts used in the previous course	L1 Remembering	1,3,4,5,6,7,9	1,4,5,6,7
	CO3	learn about different school of Macroeconomic thought	L2 Understanding	1,3,4,5,6,7,9	1,4,5,6,7
	CO4	Compare different growth models	L4 Annalysing	1,2,3,4,5,7,9	1,4,5,6,7
	CO5	Conceptualize different real world macro economic problems and their solutions	L2 Understanding	1,3,4,5,6,7,9	1,4,5,6,7
	CO6	Enhance the ability of critical thinking	L4 Annalysing	1,3,4,5,6,7,9	1,4,5,6,7

Program Articulation Matrix (CO-PO Matrix)																			
PO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	2	1	2	2		1		2		3			1	1	2	1		
CO2	3		1	3	1	2	2		1		3			2	2	3	2		
CO3	3		2	1	3	3	1		2		3			1	1	1	3		
CO4	3	2	2	2	2		2		3		3			3	1	2	3		
CO5	3		3	2	2	1	3		2		3			2	3	3	2		
CO6	3		3	2	2	3	2		3		3			2	2	3	3		
Average	3.00	2.00	2.00	2.00	2.00	2.25	1.83		2.17		3.00			1.83	1.67	2.33	2.33		

**BARASAT GOVERNMENT COLLEGE**  
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**With effect from the session: 2018 – 2019**

Course Name: Core Course-10

Course Code: ECOACOR10T

Topic Name: STATISTICAL METHODS FOR ECONOMICS-II

CO, PO & PSO Mapping					
Course Outcome:	SI No	Course outcome	Knowledge level Blooms Level	POs Mapping	PSOs mapping
	CO1	Learn conception and definitions of various statistical terms, rules and theorems along with the application of various univariate probability	L1 Remembering	1,3,4,5,6,7,9	2,4,5,6,7
	CO2	: Learn about probability distributions of discrete and continuous random variables and of joint distributions	L2 Understanding	1,3,4,5,6,7,9	2,4,5,6,7
	CO3	Apply knowledge of sampling to practical field of survey	L3 Applying	1,2,3,4,5,7,9	2,4,5,6,7
	CO4	Understand fundamentals techniques of statistical analysis about inference drawing	L2 Understanding	1,2,3,4,5,7,9	2,4,5,6,7
	CO5	Understand fundamentals techniques of statistical analysis about inference drawing	L2 Understanding	1,3,4,5,6,7,9	2,4,5,6,7
	CO6	Apply statistical techniques to draw inferences about an unknown population with the help sample informations	L3 Applying	1,3,4,5,6,7,9	2,4,5,6,7
	CO7	Enhance the ability of probabilistic problem solving	L4 Annalysing	1,2,3,4,5,7,9	2,4,5,6,7

Program Articulation Matrix (CO-PO Matrix)																			
PO \ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3		1	1	2	2	2		2			3		3	3	1	2		
CO2	3		3	3	3	3	1		1			3		2	2	2	1		
CO3	3	3	1	2	1		3		2			3		1	1	3	2		
CO4	3	2	2	3	3		2		3			3		2	1	2	3		
CO5	3		3	3	2	3	3		3			3		1	1	3	3		
CO6	3		3	2	2	2	3		3			3		2	2	3	3		
CO7	3	1	3	2	2		3		3			3		3	2	3	3		
Average	3.00	2.00	2.29	2.29	2.14	2.50	2.43		2.43			3.00		2.00	1.71	2.43	2.43		

**BARASAT GOVERNMENT COLLEGE**  
**Course Outcome or Learning Outcome**  
**Three year B.A. /B.Sc. Degree Course**  
**Under CBCS semester system**  
**HONOURS COURSE IN ECONOMICS**  
**With effect from the session: 2018 – 2019**

**Course Name:** Core Course-11  
**Course Code:** ECOACOR11T  
**Topic Name:** INTRODUCTORY ECONOMETRICS;

CO, PO & PSO Mapping					
Course Outcome:	SI No	Course outcome	Knowledge level Blooms Level	POs Mapping	PSOs mapping
	CO1	Conceptualise the comprehensive introduction to basic econometric concepts and techniques.	L2 Understanding	1,3,4,5,6,7,9	2,4,5,6,7
	CO2	Solve statistical problems of constructing and testing hypothesis on unknown population	L3 Applying	1,2,3,4,5,7,9	2,4,5,6,7
	CO3	Aware of interrelationship among multiple variables	L2 Understanding	1,3,4,5,6,7,9	2,4,5,6,7
	CO4	Sketch and estimate econometric models specifying interrelationship among multiple variables	L4 Annalysing	1,2,3,4,5,7,9	2,4,5,6,7
	CO5	Apply knowledge of Dummy variables for specification of an econometric model	L3 Applying	1,3,4,5,6,7,9	2,4,5,6,7
	CO6	Conduct tests for misspecification of regression models and assess the consequences	L5 Evaluating	1,3,4,5,6,7,9	2,4,5,6,7

Program Articulation Matrix (CO-PO Matrix)																			
PO \ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3		2	2	3	2	2		1			3		3	1	2	2		
CO2	3	2	2	1	3		1		2			3		1	1	1	2		
CO3	3		1	3	1	3	3		3			3		2	2	3	1		
CO4	3	3	3	3	2		2		3			3		2	3	3	3		
CO5	3		2	3	3	2	3		3			3		1	1	3	3		
CO6	3		3	2	3	3	2		3			3		2	2	2	3		
Average	3.00	2.50	2.17	2.33	2.50	2.50	2.17		2.50			3.00		1.83	1.67	2.33	2.33		

**BARASAT GOVERNMENT COLLEGE**  
**Course Outcome or Learning Outcome**  
**Three year B.A. /B.Sc. Degree Course**  
**Under CBCS semester system**  
**HONOURS COURSE IN ECONOMICS**  
**With effect from the session: 2018 – 2019**

**Course Name:** Core Course-12  
**Course Code:** ECOACOR12T  
**Topic Name:** DEVELOPMENT ECONOMICS

CO, PO & PSO Mapping					
Course Outcome:	SI No	Course outcome	Knowledge level Blooms Level	POs Mapping	PSOs mapping
	CO1	Understand alternative conception of development and their justification.	L2 Understanding	1,3,4,5,6,7,9	3,4,5,6,7
	CO2	Learn about various stages of growth along with various theories and models	L2 Understanding	1,2,3,4,5,7,9	3,4,5,6,7
	CO3	Understand the basic demographic concepts and various theories and model explaining the problems of a labour surplus economy	L2 Understanding	1,3,4,5,6,7,9	3,4,5,6,7
	CO4	Learn different measures of poverty and inequality and explore the relation between growth and inequality. Understand the concept of sustainable development.	L1 Remembering	1,2,3,4,5,7,9	3,4,5,6,7
	CO5	Understand how trade causes economic development for Less Developed Countries (LDCs), particularly with reference to the issues of Balance of Payment, economic dependency of LDC .	L2 Understanding	1,3,4,5,6,7,9	3,4,5,6,7
	CO6	Understand about the arguments in favour of protection and different types of trade protectionist measures	L4 Annalysing	1,3,4,5,6,7,9	3,4,5,6,7

Program Articulation Matrix (CO-PO Matrix)																			
PO \ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3		2	1	2	2	1		1				3	3	3	1	2		
CO2	3	2	1	2	3		1		1				3	2	1	3	2		
CO3	3		3	3	3	1	3		3				3	1	2	3	1		
CO4	3	3	2	2	3		3		2				3	2	2	2	3		
CO5	3		1	3	1	3	3		2				3	1	2	3	3		
CO6	3		2	3	3	2	2		3				3	2	2	2	3		
Average	3.00	2.50	1.83	2.33	2.50	2.00	2.17		2.00				3.00	1.83	2.00	2.33	2.33		

**BARASAT GOVERNMENT COLLEGE**  
**Course Outcome or Learning Outcome**  
**Three year B.A. /B.Sc. Degree Course**  
**Under CBCS semester system**  
**HONOURS COURSE IN ECONOMICS**  
**With effect from the session: 2018 – 2019**

**Course Name:** Core Course-13  
**Course Code:** ECOACOR13T  
**Topic Name:** : INDIAN ECONOMY

CO, PO & PSO Mapping					
Course Outcome:	SI No	Course outcome	Knowledge level Blooms Level	POs Mapping	PSOs mapping
	CO1	Understand Basic characteristics of Indian economy with Growth and distribution, sustainability savings and investment etc	L2 Understanding	1,2,3,4,5,7,9	3,4,5,6,7
	CO2	Assess the regional contrasts present in the Indian Economy	L4 Annalysing	1,2,3,4,5,7,9	3,4,5,6,7
	CO3	Identify the key economic issues related to Indian agriculture, industry, unemployment and poverty etc and assess their policy relevances	L3 Applying	1,3,4,5,6,7,9	3,4,5,6,7
	CO4	Study the rational , major objectives and change of emphasis of objectives s over periods of the India's Five year plans	L4 Annalysing	1,3,4,5,6,7,9	3,4,5,6,7
	CO5	Evaluate the policies of the Government in the fields of money and capital market, public economics and external sectors	L5 Evaluating	1,2,3,4,5,7,9	3,4,5,6,7
	CO6	Make Comparison between pre and post reform periods in several respects.	L3 Applying	1,2,3,4,5,7,9	3,4,5,6,7

Program Articulation Matrix (CO-PO Matrix)																			
PO \ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	2	2	3	3		2		2				3	3	2	3	1		
CO2	3	2	2	2	3		2		3				3	2	1	1	2		
CO3	3		1	3	3	3	1		3				3	3	2	3	3		
CO4	3		1	2	1	2	2		1				3	2	2	2	2		
CO5	3	3	2	1	2		3		2				3	3	3	2	3		
CO6	3	1	3	3	2		1		3				3	2	2	3	3		
Average	3.00	2.00	1.83	2.33	2.33	2.50	1.83		2.33				3.00	2.50	2.00	2.33	2.33		

**BARASAT GOVERNMENT COLLEGE**  
**Course Outcome or Learning Outcome**  
**Three year B.A. /B.Sc. Degree Course**  
**Under CBCS semester system**  
**HONOURS COURSE IN ECONOMICS**  
**With effect from the session: 2018 – 2019**

**Course Name:** Core Course-14  
**Course Code:** ECOACOR14T  
**Topic Name:** INTERNATIONAL ECONOMICS

CO, PO & PSO Mapping					
Course Outcome:	SI No	Course outcome	Knowledge level Blooms Level	POs Mapping	PSOs mapping
	CO1	Understand the basis of trade between nations , the notion of terms of trade and how free trade can be mutually beneficial for the trading nations	L2 Understanding	1,3,4,5,6,7,9	3,4,5,6,7
	CO2	Evaluate the relationship between country size and gains from trade and the effects of trade on the distribution of factor income	L5 Evaluating	1,2,3,4,5,7,9	3,4,5,6,7
	CO3	Critically analyze the main arguments for protection and for free trade, the costs and benefits of different trade policy measures like tariff, quota, voluntary export restraints, export subsidy etc.	L4 Annalysing	1,3,4,5,6,7,9	3,4,5,6,7
	CO4	Explain how international flow of goods, services and capital affects foreign exchange reserve	L4 Annalysing	1,3,4,5,6,7,9	3,4,5,6,7
	CO5	Conceptualize the idea of rate of exchange , expenditure adjustment and expenditure switching trade policies of a country	L2 Understanding	1,2,3,4,5,7,9	3,4,5,6,7
	CO6	Apply the knowledge to assess different government trade policies taken from time to time.	L3 Applying	1,3,4,5,6,7,9	3,4,5,6,7

Program Articulation Matrix (CO-PO Matrix)																			
PO \ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3		2	1	1	3	2		1				3	2	1	3	1		
CO2	3	3	1	2	3		1		2				3	2	1	1	3		
CO3	3		1	2	2	2	3		3				3	1	2	2	2		
CO4	3		3	1	3	1	2		2				3	2	2	3	2		
CO5	3	2	2	3	2		3		2				3	3	3	3	3		
CO6	3		3	3	3	3	2		3				3	2	2	2	2		
Average	3.00	2.50	2.00	2.00	2.33	2.25	2.17		2.17				3.00	2.00	1.83	2.33	2.17		



**BARASAT GOVERNMENT COLLEGE**  
**Course Outcome or Learning Outcome**  
**Three year B.A. /B.Sc. Degree Course**  
**Under CBCS semester system**  
**HONOURS COURSE IN ECONOMICS**  
**With effect from the session: 2018 – 2019**

**Course Name:** Discipline Specific Elective-1

**Course Code:** ECOADSE01T

**Topic Name:** APPLIED ECONOMETRICS

CO, PO & PSO Mapping					
Course Outcome:	SI No	Course outcome	Knowledge level Blooms Level	POs Mapping	PSOs mapping
	CO1	Use different Statistical techniques in Economics	L3 Applying	1,2,3,4,5,7,9	2,4,5,6,7
	CO2	Collect dataset directly from the field of study or indirectly from other sources	L3 Applying	1,3,4,5,6,7,9	2,4,5,6,7
	CO3	Represent and analysis collected dataset. for and forecasting	L4 Annalysing	1,2,3,4,5,7,9	2,4,5,6,7
	CO4	Specify and Estimate Econometric models on real world economic problems.	L5 Evaluating	1,3,4,5,6,7,9	2,4,5,6,7
	CO5	Test different Hypothesis on population on the basis of sample information at hand.	L4 Annalysing	1,3,4,5,6,7,9	2,4,5,6,7
	CO6	Use of statistical softwares for dealing economic problem in general	L3 Applying	1,2,3,4,5,7,9	2,4,5,6,7

Program Articulation Matrix (CO-PO Matrix)																			
PO \ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	3	2	1	2		3		2			3		1	2	1	2		
CO2	3		1	2	3	3	1		2			3		2	1	3	1		
CO3	3	2	2	2	3		3		1			3		2	2	3	2		
CO4	3		1	3	1	3	2		3			3		1	2	2	3		
CO5	3		2	3	3	3	2		3			3		2	1	3	3		
CO6	3	2	3	2	2		2		3			3		3	3	2	3		
Average	3.00	2.33	1.83	2.17	2.33	3.00	2.17		2.33			3.00		1.83	1.83	2.33	2.33		

**BARASAT GOVERNMENT COLLEGE**  
**Course Outcome or Learning Outcome**  
**Three year B.A. /B.Sc. Degree Course**  
**Under CBCS semester system**  
**HONOURS COURSE IN ECONOMICS**  
**With effect from the session: 2018 – 2019**

Course Name: Discipline Specific Elective-2

Course Code: ECOADSE02T

Topic Name: PUBLIC ECONOMICS

CO, PO & PSO Mapping					
Course Outcome:	SI No	Course outcome	Knowledge level Blooms Level	POs Mapping	PSOs mapping
	CO1	Evaluate nature and scope of public economics	L4 Annalysing	1,2,3,4,5,7,9	3,4,5,6,7
	CO2	Assess the role of govt in the economy	L5 Evaluating	1,3,4,5,6,7,9	3,4,5,6,7
	CO3	understand the techniques and importance of budget preparation	L2 Understanding	1,2,3,4,5,7,9	3,4,5,6,7
	CO4	Realise different principles of taxation and their effect	L2 Understanding	1,3,4,5,6,7,9	3,4,5,6,7
	CO5	Relate the role of deficit budget in promotion of development	L3 Applying	1,2,3,4,5,7,9	3,4,5,6,7
	CO6	Compare between the advantages and disadvantages of different types of tax so far imposed on Indian economy	L3 Applying	1,2,3,4,5,7,9	3,4,5,6,7

Program Articulation Matrix (CO-PO Matrix)																			
PO \ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	1	2	1	1		2		2				3	3	2	3	1		
CO2	3		2	2	3	3	1		3				3	2	1	1	2		
CO3	3	2	2	2	2		2		1				3	1	3	2	2		
CO4	3		1	2	3	2	2		2				3	2	1	3	2		
CO5	3	3	1	3	2		3		2				3	1	2	2	2		
CO6	3	3	2	3	3		2		1				3	2	2	3	3		
Average	3.00	2.25	1.67	2.17	2.33	2.50	2.00		1.83				3.00	1.83	1.83	2.33	2.00		

**BARASAT GOVERNMENT COLLEGE**  
**Course Outcome or Learning Outcome**  
**Three year B.A. /B.Sc. Degree Course**  
**Under CBCS semester system**  
**HONOURS COURSE IN ECONOMICS**  
**With effect from the session: 2018 – 2019**

**Course Name:** Discipline Specific Elective-3  
**Course Code:** ECOADSE04T  
**Topic Name:** CONTEMPORARY DEVELOPMENT ECONOMICS

CO, PO & PSO Mapping					
Course Outcome:	SI No	Course outcome	Knowledge level Blooms Level	POs Mapping	PSOs mapping
	CO1	Realise the multidimensional features of development	L3 Applying	1,3,4,5,6,7,9	3,4,5,6,7
	CO2	Identify major constraints to development such as poverty and income	L3 Applying	1,2,3,4,5,7,9	3,4,5,6,7
	CO3	to be familiar with the evolution of Economic and political institutions	L2 Understanding	1,3,4,5,6,7,9	3,4,5,6,7
	CO4	Relate between development and environment	L4 Annalysing	1,2,3,4,5,7,9	3,4,5,6,7
	CO5	Understand the diverse trajectories and patterns of growth followed by different sets of countries for their transition from one stage to another in the process of development	L2 Understanding	1,3,4,5,6,7,9	3,4,5,6,7
	CO6	Acquire knowledge about labor process and industrial relation, government failures and corruption	L1 Remembering	1,3,4,5,6,7,9	3,4,5,6,7

Program Articulation Matrix (CO-PO Matrix)																			
PO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3		1	1	3	1	2		1				3	1	1	1	1		
CO2	3	2	1	1	3		1		3				3	2	2	2	3		
CO3	3		2	2	2	2	2		3				3	1	2	3	2		
CO4	3	2	2	2	1		3		2				3	3	3	2	2		
CO5	3		3	3	3	3	3		2				3	1	2	3	3		
CO6	3		3	3	3	3	3		3				3	2	2	3	2		
Average	3.00	2.00	2.00	2.00	2.50	2.25	2.33		2.33				3.00	1.67	2.00	2.33	2.17		

**BARASAT GOVERNMENT COLLEGE**  
**Course Outcome or Learning Outcome**  
**Three year B.A. /B.Sc. Degree Course**  
**Under CBCS semester system**  
**HONOURS COURSE IN ECONOMICS**  
**With effect from the session: 2018 – 2019**

Course Name: Discipline Specific Elective-4

Course Code: ECOADSE06P

Topic Name: PROJECT/DISSERTATION

CO, PO & PSO Mapping					
Course Outcome:	SI No	Course outcome	Knowledge level Blooms Level	POs Mapping	PSOs mapping
	CO1	To apply the knowledge of Economics in explaining the real world	L3 Applying	1,3,4,5,7,8,9	4,5,6,7
	CO2	use of statistical techniques to test economic theories	L3 Applying	1,3,4,5,7,8,9	4,5,6,7
	CO3	To analysis of govt policies in different areas of the economy	L4 Annalysing	1,3,4,5,6,7,9	4,5,6,7
	CO4	To estimate and forecast the state of the economy	L5 Evaluating	1,3,4,5,6,7,9	4,5,6,7
	CO5	Presenting small research work on an independent and specified manner	L4 Annalysing	1,3,4,5,7,8,9	4,5,6,7
	CO6	To be Prepared for concise, sketchy and comprehensive form of presentation of a work	L6 Creating	1,3,4,5,7,8,9	4,5,6,7

Program Articulation Matrix (CO-PO Matrix)																			
PO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3		2	2	1		2	2	1					1	1	2	1		
CO2	3		1	1	2		1	3	3					2	2	1	2		
CO3	3		1	3	3	2	2		3					3	2	3	2		
CO4	3		3	3	3	3	2		2					3	2	3	3		
CO5	3		3	2	3		3	2	3					3	3	3	3		
CO6	3		2	3	3		2	3	3					3	3	3	3		
Average	3.00		2.00	2.33	2.50	2.50	2.00	2.50	2.50					2.50	2.17	2.50	2.33		

**BARASAT GOVERNMENT COLLEGE**  
**Course Outcome or Learning Outcome**  
**Three year B.A. /B.Sc. Degree Course**  
**Under CBCS semester system**  
**HONOURS COURSE IN ECONOMICS**  
**With effect from the session: 2018 – 2019**

Course Name: Skill Enhancement Course-1

Course Code: ECOSSEC01M

Topic Name: SURVEY METHODOLOGY

CO, PO & PSO Mapping					
Course Outcome:	SI No	Course outcome	Knowledge level Blooms Level	POs Mapping	PSOs mapping
	CO1	To prepare questionnaire for data collection	L3 Applying	1,2,4,5,7,9	4,5,6,7
	CO2	Realise the role of data in economics	L2 Understanding	1,3,4,5,7,9	4,5,6,7
	CO3	Compare sampling and census techniques of data collection	L4 Annalysing	1,2,4,5,7,9	4,5,6,7
	CO4	Gather knowledge about different types of sampling	L2 Understanding	1,3,4,5,7,9	4,5,6,7
	CO5	Apply different methods of sampling.	L3 Applying	1,3,4,5,6,9	4,5,6,7
	CO6	Aassess advantages and dis advantages of different survey methodologies	L4 Annalysing	1,3,4,5,7,8	4,5,6,7

Program Articulation Matrix (CO-PO Matrix)																			
PO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	3		1	1		1		1					1	2	1	1		
CO2	3		1	2	3		3		2					2	1	3	3		
CO3	3	2		3	2		2		3					1	2	3	2		
CO4	3		3	2	3		3		3					2	2	3	3		
CO5	3		2	3	2	2			2					3	3	2	2		
CO6	3		2	3	2		2	3						2	2	3	3		
Average	3.00	2.50	2.00	2.33	2.17	2.00	2.20	3.00	2.20					1.83	2.00	2.50	2.33		

**BARASAT GOVERNMENT COLLEGE**  
**Course Outcome or Learning Outcome**  
**Three year B.A. /B.Sc. Degree Course**  
**Under CBCS semester system**  
**HONOURS COURSE IN ECONOMICS**  
**With effect from the session: 2018 – 2019**

Course Name: Skill Enhancement Course-2

Course Code: ECOSSEC02M

Topic Name: INDIAN OFFICIAL STATISTICS

CO, PO & PSO Mapping					
Course Outcome:	SI No	Course outcome	Knowledge level Blooms Level	POs Mapping	PSOs mapping
	CO1	Identify the sources of secondary data in India	L3 Applying	1,2,3,4,5,8,9	4,5,6,7
	CO2	To know Data on agriculture, employment, income and other macroeconomics variables in India	L1 Remembering	1,3,4,5,6,7,9	4,5,6,7
	CO3	Aware of data on demography	L2 Understanding	1,3,4,5,6,7,9	4,5,6,7
	CO4	Aware of International data for comparison purposes	L2 Understanding	1,3,4,5,7,8,9	4,5,6,7
	CO5	Acquire knowledge regarding apex institutions of publishing data	L2 Understanding	1,2,3,4,5,7,9	4,5,6,7
	CO6	To be updated regarding most recent published dataset	L4 Annalysing	1,3,4,5,7,8,9	4,5,6,7

Program Articulation Matrix (CO-PO Matrix)																			
PO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	2	1	2	1			2	2					2	2	2	1		
CO2	3		2	3	2	2	1		1					1	1	1	3		
CO3	3		2	1	2	2	2		3					3	2	3	2		
CO4	3		3	3	2		3	2	3					1	2	3	3		
CO5	3	2	3	3	3		3		3					2	3	3	2		
CO6	3		3	2	3		3	3	3					2	3	3	3		
Average	3.00	2.00	2.33	2.33	2.17	2.00	2.40	2.33	2.50					1.83	2.17	2.50	2.33		