DEPARTMRNT OF ECONOMICS
BERHAMPORE GIRLS COLLE
MODULE WISE DISTRIBUTION OF SYLLABUS
EVEN SEMESTER 2020

Course Code: HCC **Batch: 2nd SEM** **Total No. of Classses-90**

Credit: 6 **Full marks: 75**

Paper	Unit Name	Content	Teacher's Name	Tentative date of completion
CC-3	Unit-1: National Income Accounting, unemployment and open economy issues	What is Macroeconomics? Circular flow of income, closed and open economy .Macroeconomic data- National Income accounting and cost of living;	SA	30-03-2020
	Unit-1: National Income Accounting, unemployment and open economy issues	Concept of Growth- role of savings, investment,; Open Economy-; Concept of unemployment- Types and their characteristics.	PG	30-03-2020
	Unit-2: Income Determination in the short-run	Simple Keynesian System: Multipliers; equilibrium in both closed and open economy and stability; autonomous expenditure, balanced budget, and net exports; paradox of thrift. IS-LM Model – concept of equilibrium,	SCH	15-03-2020
	Unit-3: Money and Inflation	Monetary system- definition and functions of money and determinants of money supply; inflation and its costs.	SCH	15-04-2020
CC-4	Unit-1: Matrix Algebra	Matrix: its elementary operations; different types of matrix; Rank of a matrix; Determinants and inverse of a square matrix; solution of system of linear equations; Input Output System.	AM	20-02-2020
	Unit-2:Functions of Several Variables	Continuous and differentiable functions: partial derivatives and Hessian matrix. Homogeneous and homothetic functions. Euler's theorem, implicit function theorem and its application to comparative statics problems. Economic applications- theories of consumer behaviour and theory of production.	SR	29-02-2020
	Unit-3: Multi-variable optimization	Optimization of nonlinear functions: Convex, concave, and quasi-concave functions; Unconstrained optimization; Constrained optimization with equality constraints Lagrangian multiplier method; Economic applications – consumer behaviour and theory of production. Optimization of linear function: Linear programming; concept of slack and surplus variables (graphical solution only).	SR	10-04-2020
	Unit-4: Differential Equations	Solution of Differential equations of first order and second order; Economic application-price dynamics in a single market- multimarket supply demand model with two independent markets. Qualitative graphic solution to 2x2 linear simultaneous differential equation system- phase diagram, fixed point and stability (just concepts).	SR	15-05-2020