Syllabus for MA Economics Entrance test:

1. Statistics and Mathematics for Economics
2. Economics

1. Statistics and Mathematics for Economics:

Set, Relation and Number theory, A.P., G.P., Binomial Theorem, Permutations and Combinations, Theory of Polynomial Equations, Function, Series, Sequence, Limit, Continuity, Differentiability, Mean value theorem, Matrices and Determinants, Vector space and subspaces, Definite and Indefinite Integrals: Integration by parts and integration by substitution, Convexity and quasi-convexity, Concavity and quasi-concavity, The implicit function theorem, Homogeneous and Homothetic functions, Optimization, Difference and Differential equation, level curves, Unconstrained and Constrained Optimization.

Probability, Probability distributions, Measure of central tendency and dispersion, Correlation and Regression, Sampling theory, Inference.

2. Economics:

A. *Microeconomics* – Theory of consumer behavior, Theory of production and Cost, Market structure under perfect competition, monopoly, price discrimination, monopolistic competition, duopoly with cournot, stackelberg and bertrand competition, public goods, externalities, general equilibrium, welfare economics.

B. *Macroeconomics* - National income accounting, simple Keynesian Model of income determination and the multiplier, IS-LM Model, Complete Keynesian model, models of aggregate demand and aggregate supply, money, banking and inflation, Phillips Curve, open-economy macroeconomics, Solow growth model.

C. *International Economics* – Gains from trade, Ricardian model of trade, H-O model of trade, Commercial policies, Open economy simple Keynesian model, Mundell-Fleming model with perfect and imperfect capital mobility.

D. *Development Economics* – Measure of inequality and poverty, Dual economy models (Lewis model and Harris-Todaro model)

Question Pattern: MCQ (1 mark each)

Total question: 100

Time: 2 hour

Marks division: 45% form Section - 1 and 55% from Section – 2.