**Curriculum plan (Even Semester 2021-22)**

**Teacher Name: Dr. Anjali Bansal**

**Paper name: Mathematical Methods for Economics 1I**

**Class type: BA Eco Hons, 2nd Sem. Core paper**

**Paper shared with: NA**

|  |  |  |
| --- | --- | --- |
| **Unit to be taken** | **Month wise schedule to be followed** | **Tests/Assignments/ Revision/Presentations etc** |
| Unit 1VIntegration, differential equations, and difference equations. Chapter 10, 20.1 and 21Chapter 10Chapter 20.1Chapter 21 | April Week 2Week 3Week 3, 4 | ... |
| Unit IFunctions of several real variables: Geometric representations, differentiable functions, application to comparative statics problems, homogeneous and homothetic functions: Chapter 15, 16Chapter 15Chapter 16 | May Week 1,2Week 3, 4 | Test 1 |
| Unit I (remaining part), Unit II Multivariate optimization, convex sets, unconstrained optimization, envelope theorem and applications Chapter 17, 18Chapter 16 (unit 1)Chapter 17 | June Week 1Week 2,3, 4 | Test 2 |
| Unit II (remaining part) and unit IIILinear programming, economic interpretation, Chapter 19Chapter 18 (unit II)Chapter 19Revision  | July Week 1, 2Week 3Week 4 | Test 3Revision |

Reference

Sydsaeter, K., Hammond, P. (2002). Mathematics for economic analysis. Pearson Educational.