

# **GOVERNMENT DEGREE COLLEGE, AVANIGADDA.**

**ADD ON COURSE: Green Chemistry**

**2017-18**

10.7.2017 to 19.8.2017

I & III B. Com

Unit 1: Introduction an scope and significance of of Green Chemistry- Economy Principles-

Atom Economy with examples of suitable reactions-

Module 2: Some reactions with green synthesis approach: addition reactions, substitution reactions, , Elimination reactions, Rearrangement reactions.

Module 3: Less hazardous Chemical synthesis with mechanism

Module 4: Design for energy efficiency. Safer solvents and auxiliaries-Use of renewable feed stocks-  
Use of protecting Groups

Module 5: Green catalysis-Design for degradation-Real time analysis for pollution prevention-

Module 6: Synthesis of some popular products in Green approach.



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*Principal*  
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