NRIWM 5432 Climate Change: Adaptation and Mitigation

1. Introduction
   1. Climate change and variability definition
   2. Predictions of climate change
   3. Evidence of climate change
   4. Climate change and society
2. Approaches to climate change adaptation and mitigation mechanisms
   1. Carbon sequestration
   2. Reduced emission
   3. Carbon trading
   4. Implication of climate change on soil, water and vegetation resources
3. Types of climate change adaptation
   1. Constraints to the implementation of adaptation options and strategies
   2. Timing of adaptation
4. Renewable energy technologies
   1. Solar, wind, Biomass, Hydroelectric power, and geothermal energy Resources
   2. Energy efficiency measures for domestic use
   3. The implications of climate change on soil, water and vegetation resources
5. Vulnerability to and impacts of climate change
   1. Vulnerability to climate change
   2. Impacts of climate change
6. Policies, conventions and protocols on climate change
   1. Adaptation policy
   2. Kyoto protocol and their implications for mitigation and adaptation
   3. United Nations Framework Convention on Climate change
7. Climate change adaptation strategy of Ethiopia
   1. SWC practice to adapt the changing climate