ELECTIVE COURSE: GYE 457: Resources Conservation and Management

Course learning outcomes:

CO 1: Understand the history and evolution of resources.
CO 2: Justify the importance of water and forest resource management.
CO 3: Understand spatial distribution of mineral resources.
CO 4: Evaluate the contemporary issues on soil resource management.
CO 5: Suggest water conservation plans to attain sustainable development.

Units	Course Content	Teaching Hours
1	**Consciousness and definition of resources:** The concept of resource- Wealth- resistance and neutral stuffs. Resource creating factors, classification of resources.	08
2	**Natural Resources:** soil formation, factors influencing soil formation, soil characteristics and soil profile, classification of soil (zonal types) soil erosion, soil conservation. Water and Forest Resources: Water resources and its development in India, water conservation, water cycle and water budget. Types of forests and their distribution, forest products –timber and paper, decay of forests, conservation of forests and distribution	14
3	**Mineral resources:** Classification of major minerals, their distribution and production, petroleum, coal, iron ore, bauxite and copper. Mineral conservation and mineral policy of India.	08

References:

1. Guha J.L. and Chattoraj (2004): A New approach to economic Geography, A study of Resources, the World Press Pvt. Ltd. Culcutta.
2. Zimmerman- World resources and industries
3. Khanna K.K. and Gupta V.K (1993): Economic and Commercial Geography, Sultan Chand, New Delhi.
4. Mallappa P. (2004): Udyam Sampanmulagalu, Chethan Book House, Mysore
5. Roy. PR. (2001): Economic Geography- A study of Resources, New Central Book Agency, (p) Ltd. Calcutta.
6. P. Hagget (1997): Geography, A Modern Synthesis, Haper and Rao publications, New York.
7. Dubey R.N. and Negi B.S. (2002): Economic Geography of India, Kitab Mahal, Allahabad.
8. http://www.nationmaster.com/graph/geo_nat_res-geography-natural-resources.