

21GGE506P - HYDROGEOLOGY AND GEOPHYSICS LAB										
Teaching Scheme					Examination Scheme					
L	T	P	C	Hours/Week	Theory			Practical		Total Marks
					MS	ES	IA	LW	LE/Viva	
0	0	2	1	1	0	0	0	50	50	100

LIST OF EXPERIMENTS

1. Preparation and interpretation of water level contour maps and depth to water level maps
2. Study, preparation and analysis of hydrographs for differing groundwater conditions.
3. Water potential zones of India (map study).
4. Graphical representation of chemical quality data and water classification (C-S and Trilinear diagrams)
5. Determination of permeability in field and laboratory.
6. Anomaly and background- Graphical method
7. Study and interpretation of seismic reflector geometry

TEXT / REFERENCE BOOKS

1. Groundwater hydrology, 2nd Ed., by Todd, D. K. 2006, John Wiley & Sons, N.Y.
2. Hydrogeology by Davis, S. N. and De Weist, R.J.M. 1966, John Wiley & Sons Inc., N.Y.
3. Groundwater: Assessment, Development and management by Karanth K.R., 1987, Tata McGrawHill Pub. Co. Ltd.