

AMC-26: WATER RESOURCE SYSTEM & PLANNING

1. Introduction :- Methods of irrigation – Water requirements for crops – Hydrology
 2. Ground water :- Well irrigation – Reservoir planning – General Dams- Gravity dams – Arch & buttress dams – Earth and rock fill dams – Spill ways dam – Diversion head works.
 3. Flow irrigation – irrigation channels – Silt theories – Design procedure of an irrigation channel – water logging and canal linking – canal out lets – canal regulation works – Cross drainage works .
 4. River Engineering – Water power engineering – Water resources planning.
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