



DEPARTMENT OF CIVIL ENGINEERING

Irrigation Engineering

Assignment III

1. Explain canal losses.
2. What are the limitations of Kennedy's silt theory?
3. Design a channel by Kennedy & Lacey theory. $Q = 12 \text{ m}^3/\text{s}$. Assume all other data.
4. Design an irrigation channel by Lacey's theory for a discharge of 50 cumec, silt factor = 1, and side slope: 0.5H:1V.
5. What is regime channel? State the Kennedy's theory of design of canal.