Sheet

1. What are the requirements for sub-surface irrigation?
2. What the layout of land Inclined in one direction, and Wavy Land?
3. A main canal which is shown in the figure below:
4. Calculate the area served for different sections if compensation factor (P)f = 40%:
5. Find the canal dimensions if the field water duty is 40m3/fed/day and water slope is 8cm/km.



1. What are the Components of Irrigation System?
2. What is meant by “Furrow Irrigation” and “Flooding Irrigation”?

 c- Calculate the area served for sec A,B,C for this distribution canal if f = 30%:



d- What are the meaning of:

1-The Synoptic Diagram of Canals,

2- Coefficient of Channel Roughness,

3- Longitudinal Sections for Irrigation and Drainage Channels**,**

4- Borrow Pits,

5- Expropriation Width.