

UNIT-II

S.No.	Questions	BTL	CO	P O
Part-A(Short Answer Questions)				
1	Define dewatering.	L1	CO2	1
2	What is the need for drainage and dewatering?	L2	CO2	2
3	What are the various methods of dewatering?	L1	CO2	1
4	How are sumps and ditches used in dewatering?	L2	CO2	2
5	What are the advantages of sumps and ditches in dewatering?	L2	CO2	2
6	What is a well point system?	L1	CO2	1
7	What are the different types of well point systems?	L1	CO2	1
8	When are deep wells used for dewatering?	L2	CO2	2
9	What is the principle behind vacuum dewatering?	L2	CO2	2
10	What is electro-osmotic dewatering?	L2	CO2	2
11	What are the various types of drains?	L1	CO2	1
12	Define permeability and seepage.	L1	CO2	1
13	What are the filter requirements of a filter material?	L2	CO2	2
14	Write the formula for determining the flow to a fully penetrating slot in homogeneous deposit.	L1	CO2	1
15	Write the formula for determining the flow to a partially penetrating slot in homogeneous deposit.	L1	CO2	1
Part-B(Long Answer Questions)				
1	Explain in detail dewatering using sumps and ditches with neat sketch, advantages and disadvantages.	L4	CO2	2
2	Explain in detail the well point system of dewatering.	L4	CO2	2
3	What is a deep well? Explain its suitability, merits and demerits.	L4	CO2	2
4	Explain principle, equipment, installation and operation of electro-osmotic dewatering.	L4	CO2	2
5	Explain the components, stages and methods of drainage.	L4	CO2	2
6	Compare various dewatering systems with respect to suitability, merits and demerits.	L4	CO2	3
7	Explain the steps involved in designing a dewatering system.	L5	CO2	3