

UNIT-III

S.No	Questions	BTL	CO	PO
Part–A(Short Answer Questions)				
1	Define and explain regarding Earth work embankment	1	2	1
2	Define and explain regarding Earthwork cutting	1	2	1
3	Define and explain regarding Lead	2	2	1
4	Define and explain regarding Lift	2	2	1
5	State the methods of calculating quantity of earthwork	2	2	1
6	Define and explain regarding Earth work embankment	1	2	1
7	Define and explain regarding Earthwork cutting	1	2	1
8	11. Distinguish Straight bar and cranked bar	3	2	2

Part–B(Long Answer Questions)				
1	Draw the tabular form for the calculation of earthwork with the following methods. (a) Mid –	1	3	2
2	ordinate method and (b) Mean – sectional area method.	3	3	1
3	2. The formation level at the 10th chainage is 107m and the road is in downward gradient of 1 IN 150	3	3	2
4	up to the chainage 14 and then the gradient changes to 1 IN 100 upward. Formation width of the	3	3	3
5	road is 10m and the side slopes of banking are 2:1. Length of the chain is 30m. Estimate the detailed	2	3	3
6	estimation of earthwork for Roads.	3	3	1
7	Draw the tabular form for the calculation of earthwork with the following methods. (a) Mid –	3	3	2
8	ordinate method and (b) Mean – sectional area method.	3	3	3

Part-B(Long Answer Questions)				
1	Draw the tabular form for the calculation of earthwork with the following methods. (a) Mid –	1	3	2
2	ordinate method and (b) Mean – sectional area method.	3	3	1
3	2. The formation level at the 10th chainage is 107m and the road is in downward gradient of 1 IN 150	3	3	2
4	up to the chainage 14 and then the gradient changes to 1 IN 100 upward. Formation width of the	3	3	3
5	road is 10m and the side slopes of banking are 2:1.Lenth of the chain is 30m.Estimate the detailed	2	3	3
6	estimation of earthwork for Roads.	3	3	1
7	Draw the tabular form for the calculation of earthwork with the following methods. (a) Mid –	3	3	2
8	ordinate method and (b) Mean – sectional area method.	3	3	3