Sohag University Faculty of Engineering 2nd year civil

Design Of R.C Structures 2018-2019

SHEET (4)

Design of sections:

-Design the following sections for the given data by using Ultimate design method.

- The used concrete and steel have grades as shown.
- In Sec No.9 Take B=145 cm.

Sec. No.	b (mm)	t (mm)	ts (mm)	Type of section	Mu (KN.m)	Fcu (MPa)	Fy (MPa)
1	250			Rec	170	25	360
2	120			Rec	85	25	360
3	250			Rec	170	30	360
4	250			Rec	170	25	400
5	250	600		Rec	150	25	360
6	400	900		Rec	660	25	360
7	250	700		Rec	200	30	360
8	250		120	Т	220	25	360
9	250		120	Т	240	25	360
10	120	600	120	Т	200	25	360
11	120		120	L	180	25	360

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