Date: 25/04/2024
Dept.: EWCE
Level/Term: Level-2 Term-1
Group: 03
Student ID: 202330044

BEAM DEFLECTION:

Beam Type	Size of Beam (mm×mm×mm)	Load (N)	Actual Deflection (mm)	Theoretical Deflection (mm)	Remarks
Aluminum	$6.35 \times 19.25 \times 600$	5	1.03	1.44	
		10	2.40	2.87	
		15	3.74	4.30	
		20	5.07	5.74	
		25	6.40	7.18	
Brass	$6.35 \times 19 \times 600$	5	0.65	0.90	
		10	1.85	1.80	
		15	2.97	2.70	
		20	4.10	3.60	
		25	5.21	4.50	
Steel	$6.35 \times 19 \times 600$	5	0.62	0.47	
		10	1.22	0.95	
		15	1.74	1.42	
		20	2.30	1.89	
		25	2.89	2.36	