## EXPERIMENTAL DATA

Table for Measurement of Depth of the Given Beam (d)

Least Count of Screw Gauge =									F	oitch				_
						Tot	al no	of divi	sions	in the	circul	ar sca	ile	
					=					cm				
					=	-				cm				
Linear Scale Reading	(cm)	Circular Scale Divisions	(n)	Least Count	Value of Circular Scale	Divisions (cm)	Total Readings	(cm)	Mean Depth, d	(cm)	Instrumental Error	(cm)	Corrected Depth, d	(cm)
			-, -											
		ur Scale Reading	rr Scale Reading  Lar Scale Divisions	rr Scale Reading  Lar Scale Divisions	ur Scale Reading lar Scale Divisions  Count	tr Scale Reading  lar Scale Divisions  Count  of Circular Scale	Lar Scale Reading  Lar Scale Divisions  Count  c of Circular Scale	Lar Scale Reading  Lount  Count  of Circular Scale  ions (cm)  Readings	Lotale Reading  Lount  Count  ions (cm)  Readings	Count of Scale Reading  Lotal no of divisions  Count  Coun	Count of Screw Gauge = Total no of divisions in the cm   Count   Count	Count of Screw Gauge =     Total no of divisions in the circular Scale   cm   cm   cm	Count of Screw Gauge = Total no of divisions in the circular scale   Count   C	Count of Screw Gauge = Total no of divisions in the circular scale   Count count count count   Count

Table for Measurement of Breadth of the Given Bar (b)

		Value of one division of main scale in cm				
Vernier Constant of the Slide Calipers =	Total no of divisions in the vernier scal					
	=	cm				
	=	cm				

No of Readings	Linear Scale Reading (x)	(cm)	Vernier Scale Divisions	(n)	Vernier Constant (vc)	Value of Vernier Scale	Divisions [y=n x vc] (cm)	Total Readings [x + y]	(cm)	Mean Breadth, b	(cm)	Instrumental Error	(cm)	Corrected Breadth, b (cm)
1.														
2.														
3.														

## Measurement of Length of the Given Beam (l)

1=	(1)		cm (2)		cm
	(3)		cm (4)	. —	cm
Mean 1	=	cm			

Table for Measurement of Load versus Depression Graph

- 6 661	Pitch
Least Count of Spherometer	No of division in the circular scale
	= cm
	= cm

		Lo	ad Increasi	ng	Lo	ad Decreas		cm	
No of Observations	Loads, m (gm)	Main Scale cm	Vernier Scale div	Total in	Main Scale cm	Vernier Scale	Total in	Mean Reading in cm	Mean Depression yo in cm
Ĭ.	Po-							Me	Me
2.									
3.									
4.									
5.									
6.	1 4 2								