Expt. No. 1 [B] Date

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→ Aim - To measure the radius of wire.

→ Apparatus Required - Vernier calliper, wire

→ Observations:

S. No	Main scale reading	N^{th} division of vernier scale coinciding	VSR = n^{th} div. x L.C	diameter = MSR + VSR	radius = $\frac{d}{2}$
1.	0.12	2	2 x 0.01 = 0.02	0.12 + 0.02 = 0.14	0.14/2 = 0.7
2.	0.12	2	2 x 0.01 = 0.02	0.12 + 0.02 = 0.14	0.14/2 = 0.7
3.	0.12	2	2 x 0.01 = 0.02	0.12 + 0.02 = 0.14	0.14/2 = 0.7

→ Calculations:

Average radius = $\frac{0.7 + 0.7 + 0.7}{3} = \frac{2.1}{3} = 0.7$

→ Result - Radius of wire = 0.7

Teacher's Signature :