

Physics Assignment

1) Find the logarithmic value of given numbers

a) 1.602

b) 12.438

c) 743

d) 1742

e) 0.2348

2) Find the Antilogarithmic value of given numbers

a) 2.4383

b) $\bar{1}.2341$

c) 7.6743

d) $\bar{3}.7631$

e) 3.3333

3) Find the values of trigonometric function.

a) $\sin 63^\circ 52'$

b) $\cos 47^\circ 51'$

c) $\tan 74^\circ 32'$

d) $\sin^{-1} 0.7342$

e) $\cos^{-1} 0.6634$

4) Write the S.I unit for the following:

a) volume

c) velocity

e) Momentum.

b) density

d) Acceleration

5) Define the following:

- a) Electric charge
- b) Electrification
- c) Static charge
- d) Dynamic charge
- e) conductors
- f) Insulators
- g) Earthing

6) Mention the methods of charging a body.

7) Plot the graph between Voltmeter reading and current reading and hence determine its value of slope.

Voltmeter reading (V) [x axis]	current reading (I) [y axis]
1.25	0.3
1.5	0.4
1.75	0.45
2	0.5
2.25	0.55
2.5	0.6
2.75	0.65
3	0.7

Formula

$$R = \frac{1}{\text{slope}}$$