

Shri Shivaji Education Society Amravati's SHRI SHIVAJI SCIENCE AND ARTS COLLEGE CHIKHLI, DIST. BULDANA (MS).



DEPARTMENT OF PHYSICS

List of the virtual experiments to be performed by the students of

B.Sc.-I (Semester-II)

Sr.	Experiment	Link	Note
No.			
1	To determine unknown resistance using	https://vlab.amrita.ed	You have to register
	Carry Foster bridge.	u/?sub=1&brch=192	first to Amrita
		<u>∼=346&cnt=1</u>	VirtualLab to access this expt.
2	To determine the coefficient of thermal	https://vlab.amrita.ed	You have to register
	conductivity of a bad conductor using	<u>u/?sub=1&brch=194</u>	first to Amrita
	Lee's disc apparatus.	<u>∼=353&cnt=1</u>	this expt.
3	Verification of Thevenin's Theorem	https://vlab.amrita.ed	You have to register
		u/?sub=1&brch=75&s	first to Amrita
		<u>im=313&cnt=1</u>	this expt.
4	Verification of Norton's Theorem	https://vlab.amrita.ed	You have to register
		u/?sub=1&brch=75&s	first to Amrita
		<u>im=312&cnt=1</u>	this expt.
5	Verification of Kirchchoff's Laws	https://vlab.amrita.ed	You have to register
		u/?sub=1&brch=75&s	first to Amrita
		<u>im=217&cnt=4</u>	this expt.
6	1. To study the variation in current	https://vlab.amrita.ed	You have to register
	and voltagein a series LCR circuit	u/?sub=1&brch=75&s	first to Amrita
	2. To find the resonant frequency of	<u>im=330&cnt=1</u>	VirtualLab to access
	the circuit.		uns expt.
7	To measure the internal resistance of a	http://amrita.olabs.e	You have to register
	givenprimary cell using potentiometer	du.in/?sub=1&brch=6	first to Amrita
		<u>∼=147&cnt=1</u>	VirtualLab to access this expt.
8	To design Series RL circuit and find out	https://vlab.amrita.ed	You have to register
	thecurrent flowing through each	u/?sub=1&brch=75&s	first to Amrita
	component.	<u>im=332&cnt=1</u>	this expt.
9	To design Series RC circuit and find out	https://vlab.amrita.ed	You have to register
	thecurrent flowing through each	u/?sub=1&brch=75&s	first to Amrita
	component	<u>im=328&cnt=1</u>	virtualLab to access
l			the onpu

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Sr.	Experiment	Link	Note
No.			
10	To compare the emf's of two given primary cellsusing a potentiometer	http://amrita.olabs.e	You have to register
		du.in/?sub=1&brch=	first to Amrita VirtualLab to access
		6∼=231&cnt=1	this expt.
11	To verify the laws of resistances in series andparallel.	http://amrita.olabs.e	You have to register
		du.in/?sub=1&brch=	first to Amrita VirtualLab to access
		6∼=150&cnt=1	this expt.

Mr. N. B. Thakare Assistant Professor & Head Department of Physics Shri Shivaji Science & Arts College, Chikhli, Dist. Buldana

Procedure to Register for Amrita Virtual Lab

1) GO TO https://vlab.amrita.edu/

2) CLICK ON Login



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3) CLICK ON Create an account

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4) Enter Your Details in The Given Fields

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5) GO BACK and LOGIN WITH YOUR E-mail ID and Password.

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