VIDEO TUTORIALS FOR MODULE 3 - BASIC ELECTRICITY

These videos are useful to build basic concepts necessary to understand principles and practice of sEMG".

	These video lectures are offered within the course "Physics To Physiotherapy" taught by Dr Sanjeev Gupta — A senior Physiotherapy Academician Head — Department of Physiotherapy, School of Medical & Allied Sciences, G D Goenka University, India	Tel: +91 9873430002 E-mail sanjivgupta_india1@yahoo.co.in Home - 108, Starlite Apartments, Sector—14 Extn., Rohini, Delhi -110085
HEADING	DESCRIPTION	LINKS
YouTube	CHANNEL – PHYSICS TO PHYSIOTHERAPY BY DR. SANJEEV GUPTA	https://www.youtube.com/channel/UC25 KmOm1yqS15CQExBOAmow?view_as=subscriber
	Playlist 01 - BASIC ELECTRICITY	
VIDEO 01 30 min	01 ESSENTIALS OF CURRENT ELECTRICITY • FUNDAMENTAL CHARGES • COULOMB FORCE • ELECTRIC FIELD • ELECTRIC POTENTIAL	https://www.youtube.com/watch?v=B3xl vdf3ogo&list=PLSz28HSf- qHb4G2q9SaR_zaagMPCcLitu&index=1
VIDEO 02 28 min	CONCEPT OF ELECTRICITY CONCEPT OF ELECTRICAL POTENTIAL ZERO, POSITIVE AND NEGATIVE POTENTIAL SPONTANEOUS MOVEMENT OF CHARGE POTENTIAL DIFFERENCE	https://www.youtube.com/watch?v=4B5c ViWRAO4&list=PLSz28HSf- qHb4G2q9SaR_zaagMPCcLitu&index=2
VIDEO 03 20 min	03 ESSENTIALS OF CURRENT ELECTRICITY	https://www.youtube.com/watch?v=Bjf2F TAXRT8&list=PLSz28HSf- qHb4G2q9SaR_zaagMPCcLitu&index=4
VIDEO 04 27 min	O4 ESSENTIALS OF CURRENT ELECTRICITY CONCEPT OF ELECTRICAL CURRENT REQUISITES FOR FLOW OF ELECTRICAL CURRENT CREATION OF POTENTIAL DIFFERENCE CONSTANT VOLTAGE — ELECTRICAL PUMP CONSTANT CURRENT CIRCUITS	https://www.youtube.com/watch?v=p8y2 goKZyUg&list=PLSz28HSf- qHb4G2q9SaR_zaagMPCcLitu&index=3
VIDEO 05 44 min	05 ESSENTIALS OF CURRENT ELECTRICITY STRUCTURE OF ATOM ENERGY BAND THEORY CONDUCTION IN METALS CONDUCTION IN ELECTROLYTES DISPLACEMENT CURRENT	https://www.youtube.com/watch?v=J_T7 qC5rWro&list=PLSz28HSf- qHb4G2q9SaR_zaagMPCcLitu&index=5
VIDEO 06 26 min	O6 CURRENT ELECTRICITY: OHM'S LAW & CONCEPT OF RESISTANCE CONVENTIONAL CURRENT OHM'S LAW CONCEPT OF RESISTANCE OHMIC AND NON-OHMIC MATERIALS ELECTRICAL RESISTANCE — MECHANICAL FRICTION CONDITIONS TO APPLY OHM'S LAW	https://www.youtube.com/watch?v=O1i mzgtd5AY&list=PLSz28HSf- qHb4G2q9SaR_zaagMPCcLitu&index=6
VIDEO 07 50 min	07 CURRENT ELECTRICITY: CAPACITOR AC CIRCUITS CAPACITOR CAPACITOR AC CIRCUITS CHARGING AND DISCHARGING CURRENTS CAPACITIVE REACTANCE	https://www.youtube.com/watch?v=cIDx Q_GSnE8&list=PLSz28HSf- qHb4G2q9SaR_zaagMPCcLitu&index=7
VIDEO 08 51 min	08 CURRENT ELECTRICITY: INDUCTORS IN AC CIRCUITS INDUCTOR AC CIRCUITS INDUCED CURRENTS IN AC CIRCUIT INDUCTIVE REACTANCE ELECTRICAL – MECHANICAL ANALOGY	https://www.youtube.com/watch?v= 92r 2UxG4Sw&list=PLSz28HSf- qHb4G2q9SaR zaagMPCcLitu&index=8
VIDEO 09 54 min	O9 CURRENT ELECTRICITY: VOLTAGE DIVIDER AND EMG POTENTIALS VOLTAGE DROP IN A CIRCUIT VOLTAGE DIVIDER MEASUREMENT OF BIO-POTENTIAL AT SKIN	https://www.youtube.com/watch?v=43k- f5rlu4s&list=PLSz28HSf- qHb4G2q9SaR_zaagMPCcLitu&index=9