5th 1st	4th 2nd	3rd 2nd	2nd 1st . 2nd	1ST 1st 2nd		Subject: BASIC  No.of days/week class alloted:2p(55Min)/week
2.4 State explain RMS value, Average value, amplitude factor & form factor with simple problem  2.5 Represent AC values in phasor diagram 2.6 AC through pure	2.1 Generation of alternating emit 2.2 Difference between D.C & A.C  2.3 Define Amplitude,Instantaneousvalue,cycle,Timeperiod,Frequency,Phaseangle,phase difference	1.8 Kirchhoff's law 1.9 Simple problems on Kirchhoff;s law  Tutorial	1.5 Relation of V,I,R in parallel circuit 1.6 Division of current in parallel circuit 1.7 Effect of power in series & parallel circuit	1.3.State Ohm's law & concept of resistance 1.4 Relation of V,I,R in series circuit	1.FUNDAMENTALS 1.1Concept of current flow 1.2.Concept of source & load	Semester From date: 25 Oct 2022 to Date: 31 Jan ek 2023 No . Of Weeks:15

13th	12th	11th	10th	9th	8th	7th	6th
1st 2nd	1st 2nd	1st 2	1st 2nd	1st 2nd	1st 2nd	1st 2nd	1st 2nd
5.WIRING & POWER BILLING 5.1 Types of wiring for domestic installation 5.2 Layout of household electrical wiring 5.3 List out the basic protective devices used in house hold wiring 5.4 Calculate energy consumed in a small electrical calculation	Star rating of home appliances(Terminology, Energyefficiency, star rating concet)  Class Test 2	4.7 Concept of lumen 4.8 construction and principle of filament lamp	4.3 Classification of DC generator 4.4 Classification of DC motor 4.5 Uses of different types of DC generator & motors 4.6 Types & uses of single phase induction motor	INTERNAL  4. CONVERSION OF ELECTRICAL ENERGY 4.1 Introduction of DC m/c 4.2 Main parts of DC m/c	Hydro Power station  Nuclear Power station	class Test 1  3. GENERATION OF ELECTRICAL POWER 3.1 Explain generation of electricity from thermal power station with block diagram	2.7 AC through RL,RC,RLC series circuit 2.8 Problems 2.9 Cocept of power & power factor 2.10 Impdenace triangle & power triangle

15th				T+01	1/4	
2nd	1st	2 V	2nd		1st	
Tutorial	6.5 Draw the connection diagram of A.C/D.C Ammeter, Volmeter, energy meter & wattmeter(1phase only)		6.3 Different uses of PMMC Instrument 6.4 Uses of MI Instrument		Torque in instrument	6 MEASURING INSTRUMENT 6.1 Introduction to measuring Instrument 6.2