Contentwise 'Blue- print':

Progr. Name & Code:
Course Name & Code: BEE, FEC 105
Max. marks : 80 Time: 3 hrs.

Topic No.	Sub-topic / Unit No.	Sub-topic/ Unit Title	Unit wise marks	Topic wise total marks
01 D.C Circuits	1.1	KCL, KVL, Nodal, Mesh	06	34
	1.2	Source Transformation, Star- Delta Transformation	10	
	1.3	Superposition Theorem	08	
	1.4	Nortons , Thevenins/Maximum Power Transfer Theorem	10	
02 A.C Circuits	2.1	Fundamentals of AC (Generation, rms,avg,ff,peak factor,only R, only L, only C))	08	30
	2.2	Series & Parallel circuits(RL,RC,RLC)	12	
	2.3	Series & Parallel Resonance, Q,BW	10	
03 Three Phase Circuits	3.1	Phase- line relation of Star-Delta, Phasor diagram	10	20
	3.2	Measurement of Power by two wattmeter method	10	

Topic No.	Sub-topic / Unit No.	Sub-topic/ Unit Title	Unit wise marks	Topic wise total marks
04 Single Phase Transformers	4.1	Principle, emf eqn, Ideal /Practical Transformer, phasor diagram	10	24
	4.2	OC/SC Test , efficiency, equivalent circuit.	14	
05 Electronics	5.1	HW,FW Center Tap & Bridge rectifiers	6	12
	5.2	Filters	2	
	5.3	Transistor Configuration, Characteristic	4	
	Grand Total			120