Basic Electrical and Electronics Engineering- Blue Print

Sub. Code: (FEC 105)

For Revised Syllabus 2012

Topic No.	Unit No.	Wtg	Q.1 (Comp.)	Q.2 (Op.)	Q.3 (Op.)	Q.4 (Op.)	Q.5 (Op.)	Q.6 (Op.)
01	1.1	06		06				
	1.2	10	03			07		
	1.3	10	03					07
	1.4	08					08	
02	2.1	08	03			05		
	2.2	12		08			04	
	2.3	10	03					07
03	3.1	10	02		08			
	3.2	10				04		06
04	4.1	10	02+ 02	06				
	4.2	14			06		08	
05	5.1	06	02			04		
	5.2	02			02			
	5.3	04			04			
	TOTAL	**120**	**20**	**20**	**20**	**20**	**20**	**20**

Content wise 'Blue-print':

Progr. Name and Code:

Course Name and Code: BEE, FEC 105

Max Marks: 80 Times: 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	Norton's, 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 and Parallel circuits(RL, RC, RLC)	12	
	2.3	Series and 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	
04 Single Phase Transformers	4.1	Principal, emf eqn, Ideal/ Practical Transformer, Phasor diagram	10	24
	4.2	OC/SC Test, efficiency, equivalent circuit.	14	
05 Electronics	5.1	HW, FW centre Tap and Bridge rectifiers	06	12
	5.2	Filters	02	
	5.3	Transistor configuration, Characteristic	04	
		GRAND TOTAL		**120**