www.campuskeeda.com -> one stop for Engineering colleges, Question papers and projects

## Basic Electrical & Electronics Engineering – Blue Print Sub. Code: (FEC 105)

## For Revised Syllabus 2012

Topic	Unit No.	Wtg	Q1	Q2	Q3	Q4	Q5	Q6
No.			(Comp.)	(Op.)	(Op.)	(Op.)	(Op.)	(Op.)
01	1.1	06		06	0 /			
	1.2	10	03		L/	07		
	1.3	10	_ 03					07
	1.4	08	03			Ph. 1	08	
02	2.1	08	03	١.		05	10 1	1. 1
	2.2	12	710	08	1.	T 1	04	
	2.3	10	03	1		$rac{1}{2}$	√	07
03	3.1	10	02		08			
	3.2	10				04	aprile a	06
04	4.1	10	02 + 02	06		-	, C 1	) II
	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

## **Contentwise 'Blue- print':**

## Progr. Name & Code: Course Name & Code: BEE, FEC 105

May marks . 21

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	2.1	Fundamentals of AC (Generation, rms,avg,ff,peak factor,only R, only L, only C))	08	30
A.C Circuits	2.2	Series & Parallel circuits(RL,RC,RLC)	12	
	2.3	Series & Parallel Resonance, Q,BW	10	
03	3.1	Phase- line relation of Star-Delta, Phasor diagram	10	20
Three Phase Circuits	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	4.1	Principle, emf eqn, Ideal /Practical Transformer, phasor diagram	10	24
Transformers	4.2	OC/SC Test , efficiency, equivalent circuit.	14	
05	5.1	HW,FW Center Tap & Bridge rectifiers	6	12
Electronics	5.2	Filters	2	
	5.3	Transistor Configuration, Characteristic	4	
		Grand Total		120