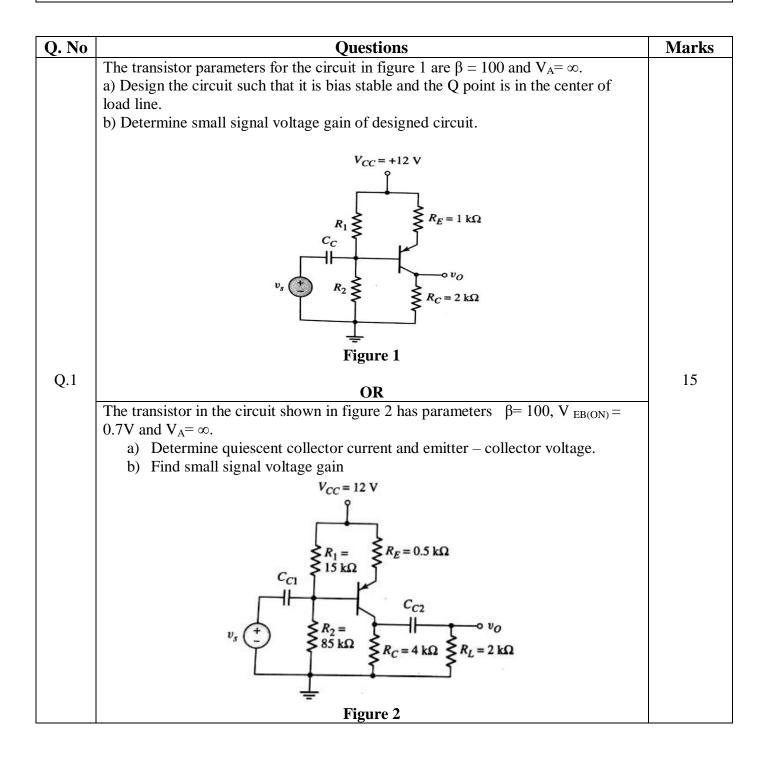
K. J. Somaiya College of Engineering, Mumbai-77

(Autonomous College Affiliated to University of Mumbai)
Semester: July – November 2019

Max. Marks: 30 Duration: 1hr.15 min.

Class: SY B. Tech
Branch: ETRX
Semester: III
Re Test 2

Full name of the course : Basic Electronic Circuits Course Code: 2UEXC302



Q.2.	a) Draw circuit of Common source JFET amplifier. Hence, derive the expression of its voltage gain.	5
	b) N-channel JFET is a rarely operated with positive value of gate to source voltage. Justify	2
Q3.	Find I _D , V _{GS} and V _{DS} for circuit B	8
	VDD = 16V	
	Circuit B IDSS = 10mA VP = -8V	
	JFET RG 1 M	
	2V -	