210	210		210		210		210	210	
	ation No:								
									D.T
i otai Ni	ımber of P	ages: 02							B.Tech. PEE3I102
					/ Back E CTRONI		tion 2017-		
210	210				: ELECT		JII <b>3</b> 10	210	
					e: 3 Hou				
				_	Marks: 1				
Λns	war Ouasi	tion No 1	and 2 v	•	DDE: B7		and any fe	our from the	n roet
Alla							dicate ma		; 165t.
Q110							040		(2 × 40)
الد a)	Answer the following questions: multiple type or dash fill up type In a common emitter, unbypassed resister provides  a) Voltage shunt feedback							ype	(2 x 10)
,									
		rrent series							
		gative volta sitive curre							
b)	A CC amp								
٠,	•	tage gain		<b>.</b>					
210		wer gain	210		210		210	210	
		rrent gain							
۵)		tput imped		of a N	400EET	in a sati	ration door	roopen with	
c)	increase in		er lengtr	ı oı a ı	NOSFET	ın a sau	uration deci	reases with	
		te voltage							
	•	ain voltage							
010		urce voltag			010		010	010	
210		dy voltage	210	llowing	210 oborootor	iatioa:	210	210	
d)	The ideal (	JP-AIVIP 118 = ∞, A = ∞,		llowing	cnaracter	istics.			
		,,,, = 0,A = ∞, ∣							
	c) R <sub>i</sub> =	= ∞,A = ∞,	$R_0 = \infty$						
	d) $R_i = 0$ , $A = \infty$ , $R_0 = \infty$ If the feedback signal is returned to the input in series with the applied								
е)				turned	to the in	put in s	eries with	the applied	
210	voltage, in	put impeda creases	210 210		210		210	210	
	,	reases							
	c) Does not change								
		comes infir		4			an ideal a		
f)	amplifier is	•	ible coll	ector ci	rcuit effic	iency of	an ideal d	lass power	
	anipilile is								
	b) 25%								
210	c) 50%		210		210		210	210	
	d) 75% The 'slew rate' of an operational amplifier indicates:								
g)						ates:			
	<ul><li>a) how fast its output current can change</li><li>b) how fast its output impedance can change</li></ul>								
	c) how fast its output power can change								
		v fast its o							
h)	The large			f an op-a		ited by:			
	a) loo		210		210		210	210	
210	h) slai	w rate							
210	b) slev c) out	w rate put impeda	ance						