IC.	;;;6;ä) b)	Show that bandwidth in An amplifier has a in feedback introduced in 20 M ohms and over feedback factor.	nput resistance in the above ar all gain is four	of 200 K ohms implifier the input and to be 1000. C	s, with a certair resistance is fo	ound to be	FIG.
IG.	71	Draw the circuit diagreepressions for freque	O rain of RC-Pha ncy of oscillation	se shift oscillator	using BJT and on gain.	derive the	
	8.a)	Derive the expression coupled Class A power	r amplifier.				
:	b)	List out the advantage configuration.	s of complement of the complem	* * * * * * * * * * * * * * * * * * *	onfiguration over	push pull [7+3]	
	9.a)	Show that the maximu circuit is 78.5%.	um conversion	efficiency of the			
(b)	For an ideal class B to effective load resistant is varied. Show that to increases and passes the	ce R _L = (N ₁ /N ₂) he collector dis	² R _L .are fixed as sipation:P _c is zer	the base current o at na signal, ri	excitation	FIL
	10.a) b)	Derive an expression for Discuss the necessity of	of stabilization	circuits in tuned a	mplifiers.	[7+3]	
IC:		Draw the equivalent of gain at resonance.	iiii iii O eircuit of doubl	R ::::::::::::::::::::::::::::::::::::	and derive the	expression [10]	
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			AG	AC AC	FIG		