

Country	Student	Question
Code	Code	Number
		3

Answer Form

Theoretical Question 3:

(a) $A =$	and	$\tan \phi =$	

At
$$\omega = \omega_0$$
, $A =$ and $\phi =$

(b) The condition on	ω	for a non-vanishing output signal :	

The magnitude of the dc signal =	

(c) The magnitude of the signal =	

(d)
$$\Delta m =$$
 kg



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(e) $\omega'_{0} =$	

(f) $d_0 =$; Evaluated $d_0 =$	nm.