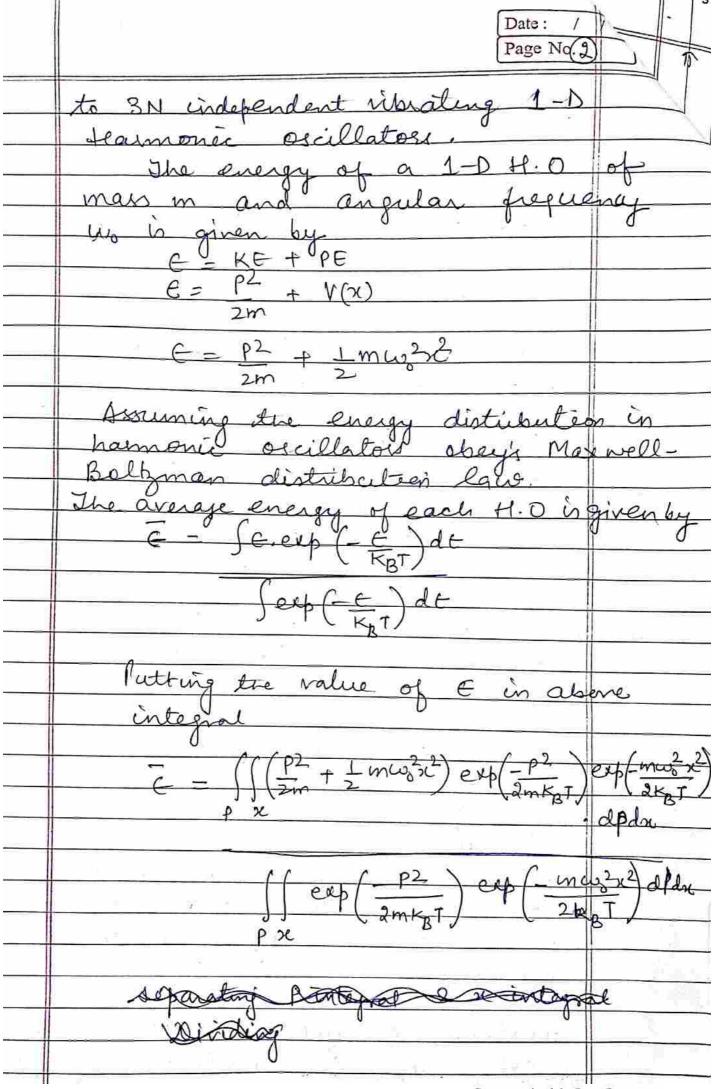
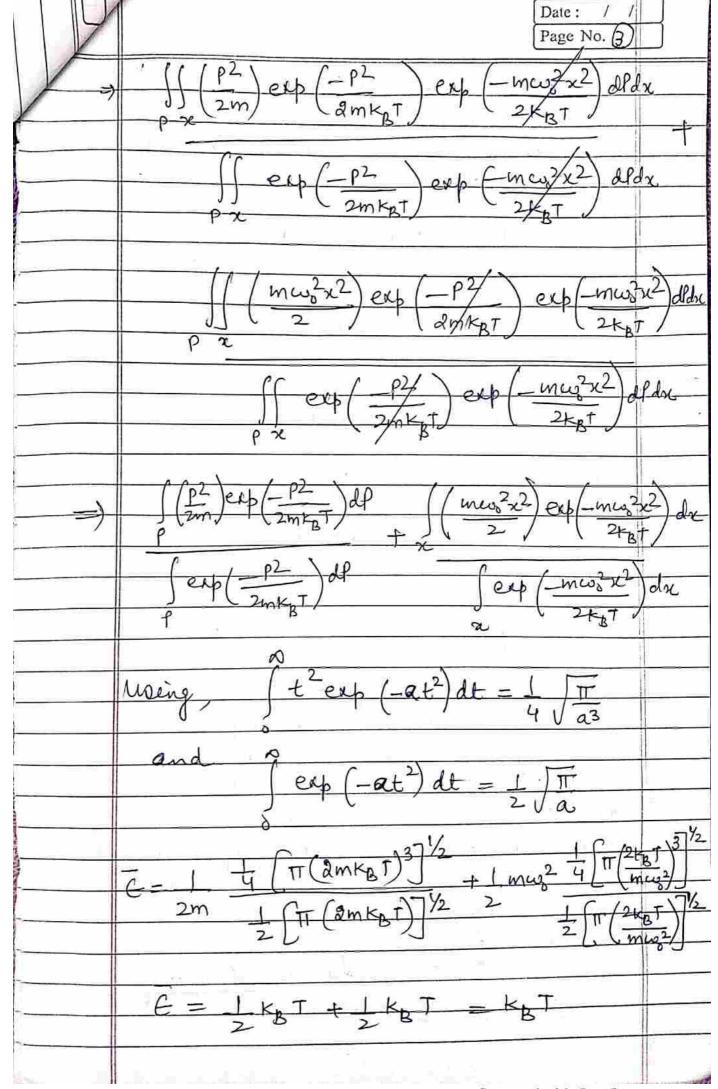
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	Classical Theory of Specific heat of solids (Aulong and Petit land)
	of solide
	(Aulong and relit land)
	The classical theory is based on
	The classical theory is based on following assumptions:
0	
	Lach solid consist of large no of atomic particles executing sconple harmonic
	molion about their egain sites.
	oscillatoes. (SHO)
2	These oscillatoes visiates inth same
	prepuency (wo) but their energies are
	Lucles Wo = natural prepuency of SHO.
	rances to a received of and.
<u> </u>	The internal energy is largely contri- buted to the ribrational energy of
	buted to the ubjectional energy of
	St(V).
9	There oscillatous can take up continuum
-	There oscillatous can take up continuum of energy values from zero to linginity.
	engenty.
5	The total energy of the crystal at
	a given lemperature is Netimes
	The total energy of the crystal at a given temperature is N times the average energy E of the oscillators.
	3D, SHO's can be considered equivalent
	3D, SHO's can be considered equivalent
=	





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