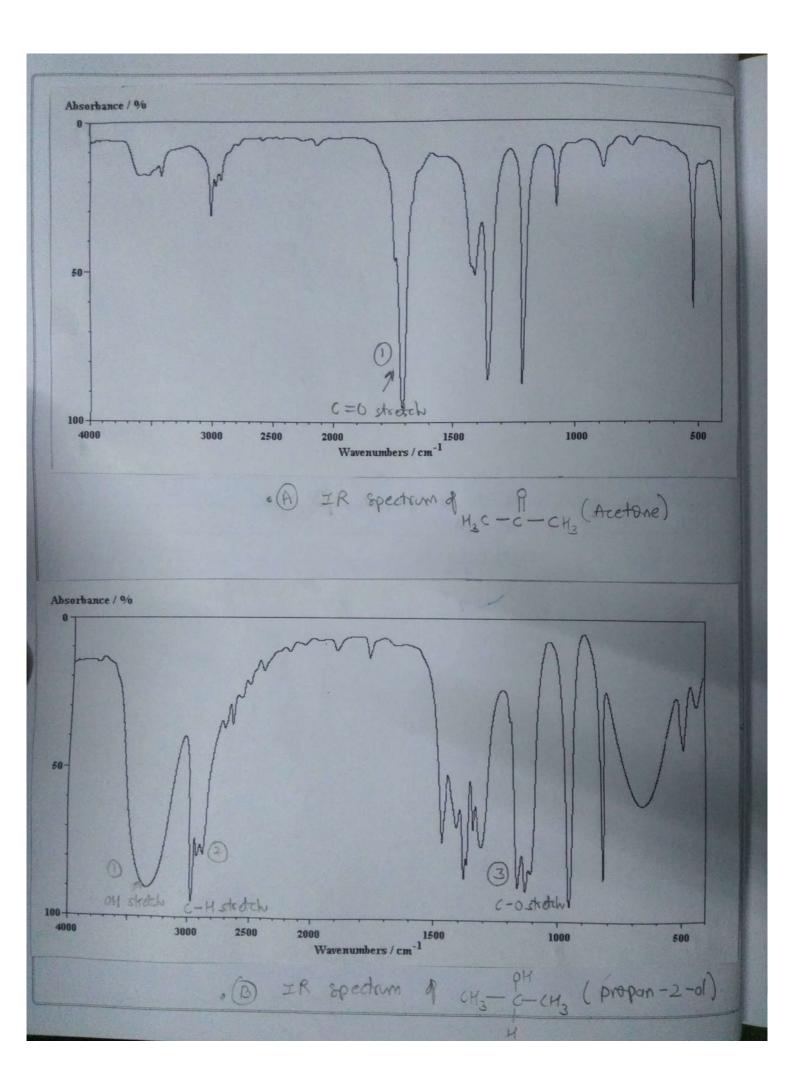
Functional Group	Characteristic Absorption (cm)
Alkeryl C-H stretch  Alkeryl C-H stretch  Alkeryl C=C stretch  Alkyryl C=C stretch  Aromatic C-H stretch  Aromatic C-H Bending  Aromatic C-H Bending  Aromatic C=C Bending  Aromatic C=C Bending  Aromatic C=C Bending  N-H stretch  Nothine N-H stretch  Ketone C=O stretch  Ketone C=O stretch  Ester C=O stretch  Cardoxylic Acid C=O stretch  Cardoxylic Acid C=O stretch  Ketone C=O stretch  Amide C=O stretch  Amide C=O stretch  Amide C=O stretch	2950 - 2850 $3100 - 3010$ $1680 - 1620$ $3300$ $2260 - 2100$ $3030$ $360 - 680$ $1700 - 1500$ $3350 - 3200$ $3000 - 2500$ $3000 - 2500$ $3000 - 2500$ $1740 - 1690$ $1750 - 1680$ $1750 - 1735$ $1780 - 1710$ $1690 - 1630$ $3700 - 3500$

	Date
	Page No.
	dipole mament with distance is non-zero.
	dipole moment wist distance is non-zero.
	DEVIT = hew
	w = warenum der in cm-1
	The second necessary a like speed of light in confsec.
	CACITO IS TO
	mode excited by that light is given to -
	$\frac{1}{2\pi} \sqrt{\frac{k}{\mu}} = \frac{1}{k} = $
	M = reduced mass in kg
•	No two chemical substances in the universe have the same force
	consignis and atomic marses, which is why infrared spectrum of each
	chemical substance is inique.
•	The different vitrations of different functional groups in the molecule
	give rise to bonds of differing interesty. This is because * 11/2 x is
	different for each of these vibrations.
•	In any sample, where hydrogen bonding occurs, the no. and strength
	of intermolecular interaction varies greatly within the sample, causing
	the bands in these samples to be particularly troad.
	PROCEDURE:
	Analyse the given IR spector from the table of IR absorptions,
	and write down the functional groups.
	0.00
	RESULT:
	In IR spectrum (A), the peak corresponds to carbonyl group, (1,0=0) in 1750-1680 cm², thus representing a ketone.
	Teacher's Signature:



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