

3) For C <sub>6</sub> H <sub>5</sub> COOH, <i>in ethanol</i> , p for the acid dissociation is 1.96 as compared to 1.00 in H <sub>2</sub> O. Explain.
Relative to the p value in ethanol what would have
Ti- out 40-4 s descalisation.
Explain your reasoning. What would you expect the value of p for C6H5COOH to be in C2H5OC5H62
Preduces from Settans
Preduces from Settand  (no hydrogen)
4) By comparing the inductive and delocalisation (resonance) effects, explain the difference in the
Substituent ometa Opara Substituent (if applicable).]
Why do σ <sub>meta</sub> and σ <sub>para</sub> have opposite signs for -OCH <sub>3</sub> but NOT for -OCF <sub>3</sub> ?
of but I am the product of
OCF3?  The Teffect is knormously strong, it can overpower the -R
Why are the magnitudes of ometa and opera different for -NHCOCH3 but approximately similar for -NHCOCH3?
-I effect decembers for Deachs & difference
Elcofronegativity of N & apply, I is stronged hence not
Man! Wan!
COOH  COOH  COOH  COOH  THE T-effect is much
ART - I HARDEF 3 Overfounds the R-
(1, 1, 2)