**GENERAL REMARKS**

1. Solvent extracts were dried over anhydrous Na$_2$SO$_4$ or MgSO$_4$

2. Melting points are uncorrected

3. TLC were carried out on silica gel with 13% binder, the spots being detected by exposure to iodine vapour

4. All newly prepared carboxylic acids gave satisfactory neutralisation equivalents

5. UV absorption spectra were recorded in ethanol on a Toshniwal Spectrophotometer Type R102 (\(\lambda\) in nm)

6. IR spectra were recorded on Perkin-Elmer R-37 (nujol mull) or Hitachi 270-30 (in KBr pellet) instrument (\(\nu_{\text{max}}\) in cm$^{-1}$)

7. PMR spectra were recorded on varian XL-100 or WH-90 FT, Gemini 200 spectrophotometer using TMS as internal standard (Chemical shifts in \(\delta\) ppm)

8. CMR spectra were recorded on Jeol FX-90 (Chemical shifts in ppm)

9. Elemental analyses observed for all the newly synthesised compounds were within the limits of accuracy (\(\pm 0.3\%\))

10. In number of examples of reactions quoted in the Tables of chapter 1, full experimental conditions could not be supplied, since the original references could not be consulted.