General Remarks

1. All solvents were distilled before use. Petroleum ether refers to the fraction boiling in the range 60-80°C.

2. All the temperatures are in °C. All the melting points and boiling points are in °C and are uncorrected.

3. Infrared spectra were recorded as either liquid film or nujol mull in, on Perkin-Elmer "Infracord - 137B", and/or 683 model spectrometer using NaCl optics. The following abbreviations are used: s = strong, w = weak, m = medium.

4. $^1$H NMR spectra were recorded on Bruker WH-90, WH-300 FT and Bruker -200Mz spectrometers and chemical shifts were measured in δ units, TMS was used as internal reference. The following abbreviations are used: s = singlet, d = doublet, t = triplet and m = multiplet.

5. Mass spectra were recorded on CEC-21-110B spectrometer.

6. The numbers assigned to the structures given in each chapter refer to that particular chapter.

7. References pertaining to each chapter are given at the end of that particular chapter.

8. All optical rotations were measured using sodium D lines on JASCO-181-digital polarimeter at ambient temperatures. The reported $[\alpha]_D$ values are at concentration range 1-2.