1064-80-251 **Kishor Ramrao Gaikwad*** (kishor_1944@yahoo.co.in), Dept. of Mathematics, Savitribai Phule Womens Engineering college, Aurangabad, 431004, India, and **Kirtiwant P Ghadle** (drkp.ghadle@yahoo.com), Dept. of Mathematics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, 431004, India. *A note of quasi-static thermal deflection in a thin circular plate.*

The aim of this work is to determine the quasi-static thermal deflection in a thin circular plate subjected to an arbitrary heat flux on the upper surface under a un-steady state field is considered. The fixed circular edge thermally insulated and the temperature of a lower surface is kept at zero. The governing heat conduction equation has been solved by using Laplace transform technique. The results are obtained in series form in terms of Bessel's functions. The results for temperature and deflection have been computed numerically and illustrated graphically. (Received September 11, 2010)