CHAPTER IX

COMPARISON
9.0 **Introduction.**

Here we are giving summary of the sampling procedures that are discussed in the present thesis. Main emphasis is on comparison aspect.

9.1 **Comparisons.**

In the present thesis four new sampling procedures, namely NM1, NM2, ND1 and ND2, are presented. All the four procedures result into fixed sample size designs where fixed sample size is $n$.

First special case of NM1 is comparable with Midzuno's method. This is shown to be superior to Midzuno's method further it retains all the essential desirable features of the Midzuno's method.

Same applies to ND1, first special case of ND1 is comparable with Deshpande's procedure and it is shown to be superior to Deshpande's procedure. ND1 also retains all the desirable properties.

Sampling schemes for $n = 2$ which are discussed in **fourth** chapter depends on four probability vectors. Use of four probability vectors provide wider choice to survey statistician.
It is customary to compare various sampling schemes using either super population models or by considering actual data. Since in our thesis we have only concentrated on proposing new sampling schemes and estimation aspect is left untouched, comparisons on above lines are not carried out.