**CONSTRUCTION OF SQUARES AND TRIANGLES**

This chapter deals with the brain teasing problems of construction of squares by combination of three parts after selecting them from the list of five different alternatives numbered from A to E. The following discussion would assist us in solving such problems

Select a piece which contains a right angle between two adjacent outer edges try to fit another piece in its hollow spaces. If you can't, select another piece. Repeat the procedure with different sets of such pieces. Finally with the two pieces fitting into each other, find the third piece which fits into the other two selected ones, to get a completed square finally.

We now discuss a couple of solved examples.

**Example 1 :**

Select three out of the following five alternative figures which together form one of the four alternatives (a), (b), (c) or (d) and when fitted together will form a complete square.

    

A D

(a) ACD (b) BDE (c) ABD (d) ADE