DESIGNS
FAQ

1) A 60 Stockport reed (number of dents/2 inch) of 1.5 m width is being used on a loom. The reed plan is one end per dent. If the weft crimp is 8% then calculate the warp sett in the fabric on cloth roller.

2) Show the design, drafting and lifting plan of plain weave using three heald shafts.

3) Name the factors which influence the angle of twill line. For twill weave (5 up 3 down), the move number in vertical direction is 2. If ends per cm and picks per cm is 30 and 20 respectively, then calculate the twill angle.

4) What is skip drafting. Explain its advantage with an example of design and lifting plan.

5) Show the skip draft with six healds for plain weave so that the operation could be controlled by only two shedding cams. Draw the corresponding lifting plan also.

6) Show the lifting plan for plain weave and 2/2 warp rib with skip draft.

7) What is the distinguishing characteristic of interlacement pattern in satin weave? Why a six end regular satin cannot be woven? Why the ‘satin’ does not become ‘sateen’ just by reversing the fabric?

8) Arrange the following fabrics in the order of descending tearing strength and justify your answer.

   Plain, 3/3 basket, 2 up 1 down twill, 7 end satin

9) Draw pointed twill based on 3 up and 3 down twill weave. Show the drafting and lifting plan.

10) Show the drafting and lifting plan for the following Honeycomb and Mock Leno designs with repeat size of 12×12 and 10×10 respectively.