

## S.1 Holiday Work (Technical Drawing)

- ATTEMPT ALL QUESTIONS

1. Construct a triangle with base length= 78mm, vertical angle= $67\frac{1}{2}^\circ$  and length of one side= 38mm.
2. Construct a trapezoid ABCD with side AB=80mm angle BAD a right angle while angle ABC  $67\frac{1}{2}^\circ$  and diagonal AC=85mm.
3. Construct a regular nonagon given distance across corners= 90mm.
4. On the same base, construct a regular pentagon and heptagon having length of one side=45mm.
5. Construct a rectangle with a diagonal= 110mm and length of one side= 50mm.
6. Construct a trapezoid ABCD With side AB=80mm, angle BAD a right angle while angle ABC= $75^\circ$  and diagonal AC=85mm.