I. Choose the correct answer: 4x1=4
1. Two angles are _____ if their sum is 90°.
   a) complementary   b) linear pair   c) supplementary
2. Two angles are called adjacent angles if they have _____.
   a) common vertex   b) common arm   c) both (a) and (b)
3. The exterior angle of a triangle is equal to the sum of two____.
   a) alternate angles   b) interior opposite angles
   c) exterior angles
4. The sum of all the three angles of a triangle is _____.
   a) 180°   b) 90°   c) 360°

II. Answer the following: 3x2=6
1. In the figure AB is parallel to CD, find x.
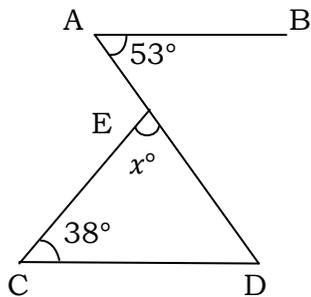
2. Consider the given pairs of triangles and say whether each pair
   is that of congruent triangles. If the triangles are congruent say
   "how", if they are not congruent say "why" and also say if a
   small modification would make them congruent.
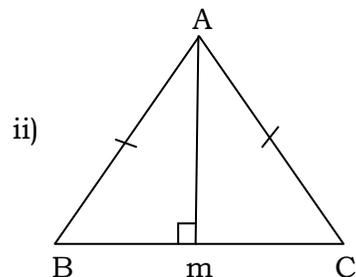
III. Answer the following: 3x5=15
1. Find all the three angles of the Δ ABC
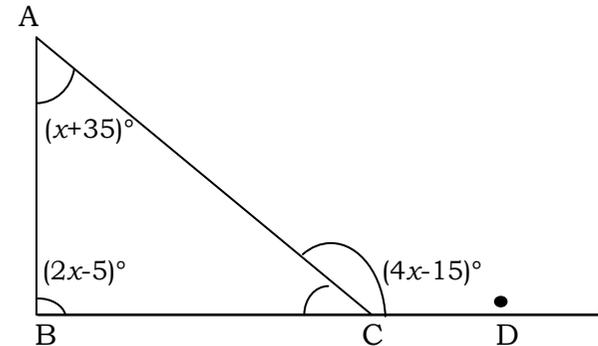
2. The angles of a triangle are in the ratio 1:2:3, find the measure
   of each angle of the triangle.
3. Δ ABC and Δ DEF are two triangles in which AB=DF,
   ∠ACB = 70°, ∠ABC=60°, ∠DEF = 70° and ∠EDF=60°. Prove
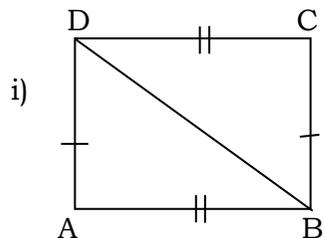   that the triangles are congruent.

I. Choose the correct answer: 4x1=4
1. Out of the following, which is not a food crop?
   a) Bajra   b) Ragi   c) Maize   d) Coconut
2. Both agricultural productivity and food productivity has

   _____.
   a) decreased   b) not stable c) remained stable d) increased
3. Irrigated land surface out of cultivable land is _____.
   a) 27%   b) 57%   c) 28%   d) 49%
4. The productivity of paddy during the year 2014-2015
   a) 3,039kg   b) 4,429kg   c) 2,775kg   d) 3,519kg
II. Fill in the blanks: 3x1=3
1. The major occupation of people in Tamil Nadu is _____.
2. Tamil Nadu receives rainfall all from the _____ monsoon.
3. The total geographical area of Tamil Nadu is _____ hectares.
III. Match the following: 5x1=5
1. Non-food crops   -   October - December
2. Dhal   -   Less than 1 hectare of cultivable
                                     land
3. Northeast Monsoon   -   79,38,000
4. Small farmers   -   Urad Dal, Toor Dal, Green
                                     grams
5. No. of farmers in
      2015-2016   -   Coconut, Channa
                           -      78,39,000
IV. Answer the following: 4x2=8
1. Who monitors the quantity and quality of ground water?
2. Give two examples for each food crop and non-food crops.
3. What are the factors responsible for the changes in
   cropping area?
4. Differentiate between small and marginal farmers.
V. Answer in detail: 1x5=5
1. What are the problems faced in agriculture while using
   ground water?