

00535

**M.Sc. IN LEATHER GOODS AND
ACCESSORIES DESIGN (MSCLGAD)**

Term-End Examination

December, 2012

MFW-050 : GEOMETRIC CONSTRUCTION

Time : 3 hours

Maximum Marks : 70

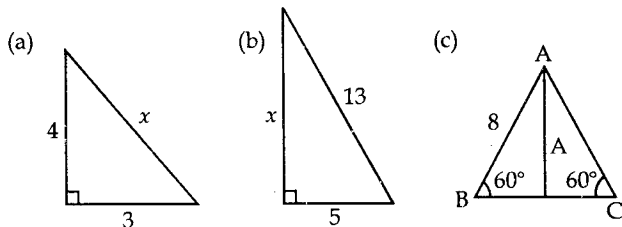
Note : Attempt *all* questions. All questions carry *equal* marks.

1. What are Tessellations ? Name and explain the different types of tessellations. **10**
2. Name and define Platonic Solids. Mention the no. of edges, vertices and faces of each of the platonic solids. **10**
3. 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144. **10**
Identify the series and explain. Fill in the next four blanks of the series.
4. Calculate the measure of interior angle of a regular hexagon and a regular octagon. **10**

5. What are complementary and supplementary angles ? 10

If A and B are two supplementary angles and the measure of A is twice the measure of B. Calculate the measures of A and B.

6. Explain the Pythagorous theorem and calculate x in the following figure. 10



7. Calculate the ' x ' in the following figures. 10

