

00415

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

**Term-End Examination
June, 2012**

MFW-050 : GEOMETRIC CONSTRUCTION

Time : 3 hours

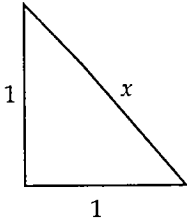
Maximum Marks : 70

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

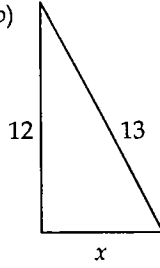
1. Define Platonic Solids and name them. Mention the no. of vertices, edges and the faces of the platonic solids. **10**
2. What are tessellations ? Define. Name and explain the different types of tessellations. **10**
3. What do you understand by Fibonacci series ? Complete the following series. **10**
0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, x , y , z .
4. Calculate the measure of Interior angle of a regular Pentagon and a regular Decagon. **10**
5. What are complementary and supplementary angles ? Explain. If A and B are complementary angles and the measure of A is twice the measure of B. Calculate the measure of A and B. **10**

6. Define Pythagoras theorem and calculate 'x' in the following figures : 10

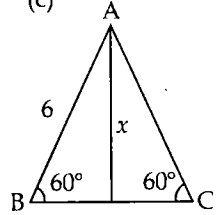
(a)



(b)

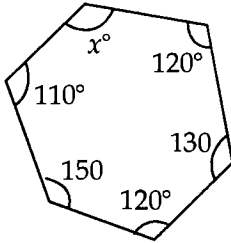


(c)



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

(a)



(b)

