

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

Term-End Examination

00444

June, 2014

MFW-050 : GEOMETRIC CONSTRUCTION

Time : 3 hours

Maximum Marks : 70

Note : *Attempt all the questions.*

1. What do you understand by Platonic Solids ?
Discuss individually about all of the members of
this family. 20

2. Draw the following equilateral 2-D constructions :
7×4=28
 - (a) Triangle (sides 5 cm each)
 - (b) Square (sides 5 cm each)
 - (c) Pentagon (dia. 10 cm) inside circle
 - (d) Hexagon (dia. 10 cm) inside circle
 - (e) Heptagon (dia. 10 cm) inside circle
 - (f) Octagon (dia. 10 cm) inside circle
 - (g) Decagon (dia. 10 cm) inside circle

3. What do you understand by Tessellation ?

Explain and draw the following :

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(a) 3, 3, 3, 3 tessellation

(b) 4, 4, 4, 4, 4 tessellation

(c) 6, 3, 4, 3 tessellation

(Value of each side = 3 cm for each)

4. Draw an oval by using circles method, having
min. axis value 6 cm and maj. axis value 12 cm.

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