

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

**Term-End Examination**

00255

December, 2016

**MFW-050 : GEOMETRIC CONSTRUCTION**

*Time : 3 hours*

*Maximum Marks : 70*

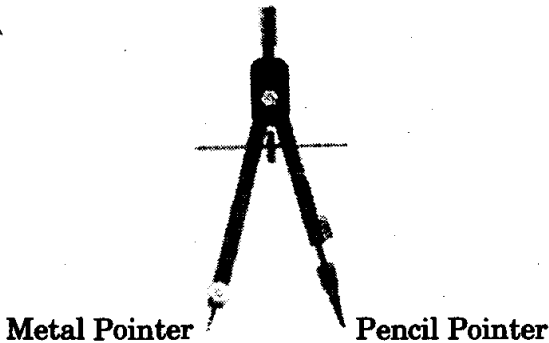
**Note :** *Attempt all questions of Section A and B. Attempt any two questions of Section C.*

**SECTION A**

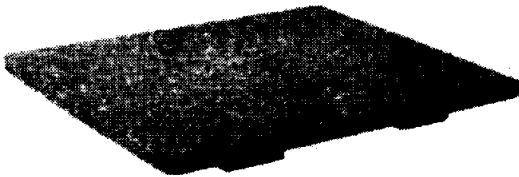
1. Write the names and purposes of the following geometric tools :

5×4=20

(a)



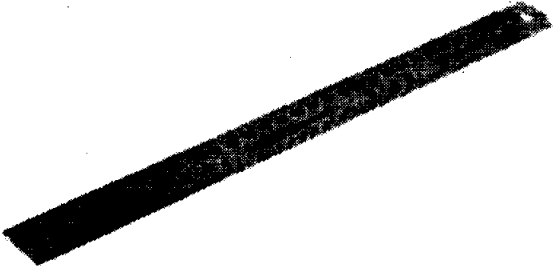
(b)



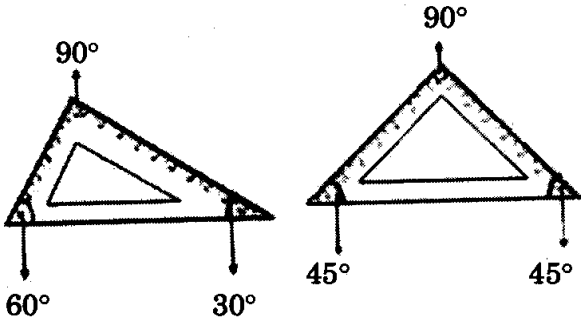
(c)



(d)



(e)



## SECTION B

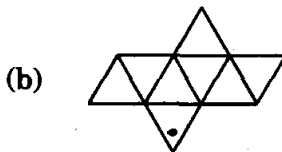
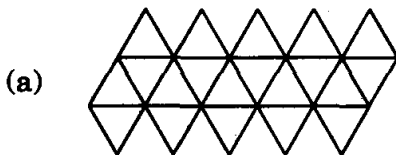
2. Write short notes on the following terminologies : 5×5=25

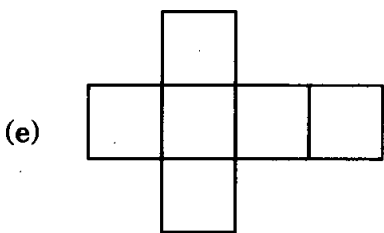
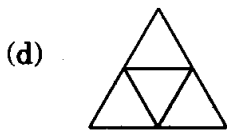
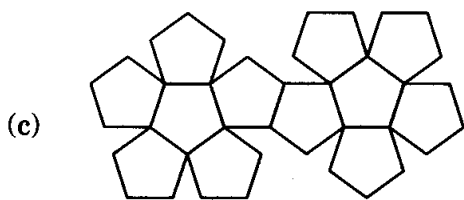
- (a) Tessellations
- (b) Platonic Solids
- (c) Archimedean Solids
- (d) Paper Sizes (International Standards)
- (e) Golden Spiral

3. Identify *True* and *False* statements : 5×2=10

- (a) Pentagon is a 3D construction.
- (b) Pentagram and Pentagon are different structures.
- (c) Truncated octahedron is a platonic solid.
- (d) Icosahedron is a platonic solid.
- (e) The Golden Spiral is visible in human ear.

4. Identify the paper net of octahedron from the images given below : 5×1=5





## SECTION C

*Answer any two questions.*

5. Draw an octagon with a side of 5 cm. 5

**OR**

Draw an octagon with radius value 5 cm.

6. Draw a parallel line segment XY by using arch method along with a line segment AB of 10 cm length. 5

7. Bisect an angle of  $60^\circ$  and also write the value of received both angles (each side of bisected angle mark). 5