

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

**Term-End Examination**

**June, 2017**

00040

**MFW-050 : GEOMETRIC CONSTRUCTION**

*Time : 3 hours*

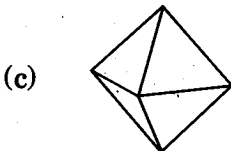
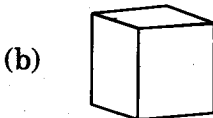
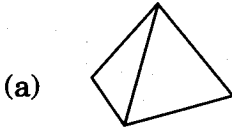
*Maximum Marks : 70*

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

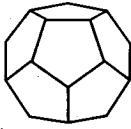
**SECTION A**

1. Match the following platonic solids with their respective paper nets (Given in 'Set X' and 'Set Y' below) :  $5 \times 4 = 20$

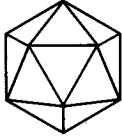
Set X :



(d)

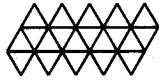


(e)

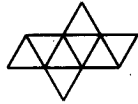


Set Y :

(i)



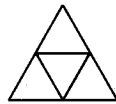
(ii)



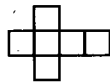
(iii)



(iv)



(v)



## SECTION B

2. Write short notes on the following terminologies : 4×5=20

- (a) Golden Proportion
- (b) Contribution of Plato in '3D' Geometry
- (c) Contribution of Archimedes in '3D' Geometry
- (d) Tessellations

3. Identify *True* and *False* statements from those given below : 5×2=10

- (a) An Icosahedron has 20 faces.
- (b) Dodecahedron is an Archimedean solid.
- (c) Form of the 'Milky Way Path' is similar to the Golden Spiral (the milky way path is seen in a clear dark night in the sky and shows the path-like composition by stars in the sky).
- (d) A truncated cube is a platonic solid.
- (e) Forms of a tetrahedron and Egyptian Pyramids are the same.

## SECTION C

Answer any *two* questions.

4. Draw a pentagon with a radius value of 4 cm. 10
  5. Bisect a line segment AB, of 10 cm length. Label all the received terminal points. 10
  6. Draw a right angle ABC, where AB is the base line of 10 cm. Value of angle  $\angle C$  is  $45^\circ$ . 10
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