BFW-051

B.Sc. IN LEATHER GOODS AND ACCESSORIES DESIGN (BSCLGAD)

Term-End Examination

June, 2013

BFW-051 : GEOMETRY CONSTRUCTION

Time : 3 hours

Maximum Marks : 70

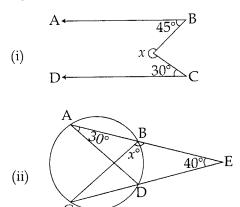
Note :	Attempt	all	questions.
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- 1. (a) What is the "Dual" of a cube ? 20 (b) How many edges and vertices do an icosahedron have ? (c) What is the "vertices configuration" of a polygon or a polyhedra? (d) What is the "vertice configuration" of a cuboctahedron and а truncated icosahedron ? 2. Define "Archimedian solids". What are the 10 characteristics of an Archimedian solid ?
- What do you understand by "Tessellations" ? 10 Name the different types of Tessellations. What are the characteristics of a semi - regular Tessellation ?

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P.T.O.

- 4. (a) What are complementary Angles and 10 supplementary Angles ?
 - (b) What is the sum of all the external angles of a polygon ?
 - (c) Calculate the measure of external angles of a hexagon.
- 5. (a) Find the value of angle x in the following figures. 2x3=6



- (b) Illustrate using diagram the shape that you 4 get by joining the alternate vertices of a regular hexagon.
- 6. (a) What are the characteristics of the 10 "Fibonacci series" ?
 - (b) Give examples from the nature where you can see the Fibonacci spiral.

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