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

00497   **Term-End Examination**

June, 2014

BFW-064 : COMPUTER AIDED DESIGN

Time : 3 hours   *Maximum Marks : 70*

Note : *Attempt any* **seven** *questions. All questions carry equal marks.*

1. Consider a line AB whose position vectors of end-points are

   $[A] = [1, 2]; \quad [B] = [3, 4].$

   The translations in x and y directions are $[T_x, T_y] = [2, 3]$. Calculate the end-points of the translated line. *10*

2. What is a spline function ? Discuss its characteristics. *10*

3. What is control polygon ? How does it control the shape of a curve ? *10*

4. Distinguish between 3-D CAD model and 2-D CAD model. *10*

5. Enumerate at least five CAD softwares with their commercial names. *10*

6. State important advantages of solid modelling. *10*

7. How many types of Array are in Rhino 4·0 ? Explain all. Explain how ARRAY works. *10*

8. What is Transparency Mapping ? How does Transparency Mapping work ? *10*

9. How will you make sure that your objects are closed solids for export ? *10*

10. What are the surface tools and in which condition can you use all types of surface tools to join one surface to another surface ? Describe. *10*

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