CADCAM, Quiz <small>(446.326.A, 001, 002), Prof. Kunwoo Lee and Prof. Sung-Hoon Ahn</small>   17th, December, 2007

Student Number: _____   Name: _____

CAD

1. Explain the biggest advantage of visualizing the design concept in three dimension using 3D CAD system instead of 2D CAD system.

2. What is the advantage of using the parametric modeling capability of a solid modeling system in visualizing a design concept?

3. Describe the advantage of non-manifold modeling systems over conventional solid modeling systems.

4. List the advantage of using NURBS curve instead of Bezier curve.

5. What is the most popular value of the order of B-spline curve and its reason?

CAM

6. Explain the function of each character in the NC code.
    - N, M, G, F, S, T

7. Describe briefly the reverse engineering.

8. Explain briefly the advantages and disadvantages of rapid prototyping (two items each)

9. List the "general principles" of DFM (list 4 items).