

Exam 18.12.2014

1. Explain briefly the following definitions (6p)
 - a. core
 - b. directional solidification
 - c. green sand
 - d. draft
 - e. pattern
 - f. ADI
2. Describe briefly the following casting methods and explain the typical castings (size, materials, typical number of series, etc...) made with that method:
 - a. High pressure die casting (6p)
 - b. sand casting with hand molding (6p)
3. Compare nodular iron castings and steel castings. In which cases it is better to choose steel instead of nodular iron and vice versa. (6p)
4. Explain definition "concurrent engineering" and how you should follow that principle in cast component design? (6p)

