List of tasks for students:

1. Graphically display the optimal amount of the labor in these four cases:

   - The firm sells its output in a perfectly competitive market and demands a labor in a perfectly competitive labor market;

   - The firm sells its output in a perfectly competitive market and demands a labor in imperfectly competitive labor market;

   - The firm sells its output to the imperfectly competitive market and demands a labor in a perfectly competitive labor market;

   - The firm sells its output to the imperfectly competitive market and demands a labor in imperfectly competitive labor market.

2. Describe TPL, APL and MPL. Write a function of MPL and in perfect competition labor market.

3. Graphically express and explain the equilibrium in the labor market.

4. Company sells its product in a perfectly competitive market for 10 CZK. Production function has the form: Q = 17L - L2. Determine the optimal amount of labor, if the price of labor is given at 50 CZK / h.

5. MPP inputs A, B, C are 12, 8, 2. The prices of these inputs in a perfectly competitive are 6, 4, 1 CZK / pc. The company at a given level of output maximizes profit. What is MR from the sale of the last unit?

6. Marginal revenue is equal to CZK 2. Prices of input units A, B and C on perfectlycompetitive markets are 8, 4 10 CZK. Company at a given level of output maximizesprofit. What is the MPP of the input B?

7. Labor demand is given by the equation DL = 1200 - 10 w; labor supply SL = 20 w – 300.

   a) Calculate the equilibrium quantity of labor and the equilibrium wage rate.

   b) Calculate the size of the economic rent transfer earnings.