1. Determine the future course of CZK/USD in one year using the PPP concept. You know following: the current course is 19,38 CZK/USD, the expected inflation rate in the Czech Republic is 2.8 % and the expected inflation in the USA is 1.4 %. Further you know that a bread in the Czech Republic is CZK 26.00.

2. For the following project find the NPV, PB, IRR and the MIRR. Initial costs are $ 225.00. The project generates this cash flow in consecutive years $80.00, $85.00, $95.00 and $100.00. The first positive cash flow occurs one year after the beginning of the project. You also know that the cost of foreign capital is 9% and shareholders require at least 12%. The capital structure of the debt corresponds to 75%. The income tax rate is 15%.

3. Specify three important factors that influence the development of oil prices:

4. Calculate the price of following bond. The face value of the bond is 1,000,000.00, the maturity of the bond is in four years, yeald to maturity was set at 12 % and the bond coupon rate is 8 %. Use the duration for calculating the change in its price if the interest rate rises and falls by one percent. Then calculate the price change using the concept of convexity.

5. How could be described the forecast of exploration and production of oil and gas in Ghana?

6. How much money you must save at the beginning of each month if you like to create in five years a budget of $ 36,138.03? Further you know that the annually interest rate is 7.2 % p. a. and the bank calculate the interest three times a year.

7. How would you define a corporation?

8. How much money you need to save at the end of each quarter for the next six years, if you like to receive a regular five days income in the amount of $100.00 (at the end of the payment period) for the next three years. The interest rate is 2 % p. a. during the whole period (9 years) and the bank calculates interest at a monthly basis.

9. Describe the potential of shale gas.

10. What is the main function of International Monetary System?

11. A client has to repay a mortgage of $ 100,000.00 in monthly payments during the next 15 years. Annuities are equal; interest rate is 15 % per annum with the interests calculated every month. Define the amount of monthly payment and create a repayment plan for the first three payments. How much of the total debt will be amortized during one year?

12. How was the development of oil and gas industry in Russia during the last financial crisis?