Name:…………………………..

Neptun code: ………………..

Finance

for regular MBA students

11/12/2019

1. You have got €2000. You put it in a 4Y deposit at a rate of 4%. Frequency of payment is infinite. What is the future value of this deposit! (2 points)

2. You put €200 in a deposit at 1% interest. You withdraw the money in 5 years. How much will be the withdrawn cash? (2 points)

3. Your monthly saving is 20.000 HUF. The term of saving is 4 years. The amount of state subsidy is 30% of annual saving up to 72.000 HUF credited at the end of the year. Deposit rate is 2%. What is the future value of this saving scheme and what is its APR rate?? (3 points)

4. You save €100 monthly in a pension saving scheme. Your retirement will be in 20 years. Real yield of investment is 3%. Tax allowance is 20% of annual saving up to €400 per annum.? (3 points)

5. The 2021/J T-bond has got a fixed coupon rate of 5%. Its maturity is at 20th of June, 2022. The expected return is 2%. What is the net price, the accumulated interest and the gros price of this bond? (6 points)

6. The car which you'd like to buy, costs €20000. You have got two option. The leasing company requires to pay €1500 quarterly for 4 years + additional €1200 at the end of the leasing contract. The bank offers you a loan with 5% p.a. paid quarterly. (4 points)

Score limits:

Total: 20 scores

Name:…………………………..
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Finance

for regular MBA students
11/12/2019

1. American Treasury issued a perpetuity with the following terms: coupon rate is 5%. The interest is paid in 4 of May. What is the value (gros price) of this perpetuity, if your required rate is 2.5% at 11/12/2019? (4 points)

2. A bank want to discount a bill of exchange in 11th of December. The maturity of the security is 24th of Februar. Its nominal value is €20,000. The discount rate used by the bank is 3.0%. The lending rate is 3.2%. What will be the discount price of the bill of exchange? What is cheaper for the bank's client - to discount the bill or to raise loan? What it the threshold period at the given lending and discounting rate? (6 points)

3. The price of a T-bond with 5 years-term is 98%. The coupon rate (interest rate) is fixed 3%. What is the nominal, the simple and the corrected and real return of the bond? (4 points)

4. You buy and then sell two securities. Please calculate the interim, the nominal, the effective and the continuous yield? (6 points)

Date	Price	Date	Price
2019.04.22	300	2019.09.08	200
2019.12.11	400	2019.12.11	150

Score limits:
Total: 20 scores