S-38.3062 Modeling Human Behavior, Exam 3.2.2014 Family name First name(s) Signature Student number 3 credits option: Please select: 5 credits option: Q1. Explain the relationship a) between the income and happiness of an individual person b) between GDP per capita and the average happiness of inhabitants. Possible figures here:

## Q2. Nash equilibrium

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b) What is (or are) the Nash Equilibrium(s), if any, in the games defined below.

For instance, in Game 1, in option **M/S** Player A gets 0 and Player B gets 2 (where more is better)

Game 1.

		Player B	Player B	
		Option R	Option S	
Player A	Option M	3;3	0;2	
	Option N	2;0	1;1	

Nash equilibrium(s) = \_\_\_\_\_ (draw — if there is no Nash equilibrium)

## Game 2.

		Player B		
		Option R	Option S	
Player A	Option M	3;1	0;2	
	Option N	2;2	1;1	

Nash equilibrium(s) = \_\_\_\_\_ (draw — if there is no Nash equilibrium)

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Family name	First name(s)	
Signature	Student number	
3. Explain briefly the followir	g concepts: Value of Time, Net benefit, Context	factor and Zero-benefit lev

Possible figure here:

Q4. Explain how service quality can be measured by means of MOS scale
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Possible figure here: