Matr. N°.	Name:
Examination	Principles of Economics (N° 11049)
Semester:	Summer Semester 2008
Examiners:	Prof. Dr. Gerhard Schwödiauer/ Dr. Thomas Riechmann
The following aids may be used:	Non-programmable pocket calculators; English language dictionaries without any marking.
Time:	120 minutes
than one answer to any of the questions, of For every correct answer you obtain 2 point If no answer is marked you neither obtain In order to pass this exam at least 12 point Make sure that this copy of the test paper the appropriate fields at the top of this page	optional answers is correct. Do not mark more therwise the solution will be considered false. nts, for every false answer 1 point is subtracted. nor lose a point. ts are needed. 48 and more points are graded 1.0. bears your matriculation number and name in
Examination Questions:	
 1. Raw steel is a) a good of first, not of high b) just a good of higher orde c) both a good of first and or 	er.
2. Which of the following propositions is A "public good" possesses the property	
b) its consumption by some by another individual.	wided by the government. The individual does not rival with its consumption seemely costly to exclude anybody from its use.
3. Which statement is correct?	
b) Maintaining law and or	by universities are public goods. der is a public good. ng provided by universities is a public good.

4.	Which proposi Ordinal consur	Thich proposition is wrong? rdinal consumer utility functions can tell us that an individual	
	a)	prefers a commodity bundle a to some other commodity bundle b , and b still to another bundle c .	
	b)	prefers commodity bundle a more intensely to b than he prefers b to c . is indifferent between commodity bundles a and b , but prefers a mixture of both to either of them.	
5.	The concept of	f "marginal utility" was introduced by	
	(a)	Carl Menger.	
	b)	David Ricardo.	
	c)	Antoine A. Cournot.	
6.	The marginal i	rate of substitution (of good 1 for good 2) equals	
	a)	the product of the marginal utilities of the two goods.	
	b)	the difference between the marginal utility of good 1 and the	
	c)	marginal utility of good 2. the ratio of the marginal utility of good 1 to the marginal utility of good 2.	
7.	Gossen's Seco	and Law states that	
	a)	continued increase in the consumption of a particular good, for constant quantities of other goods, results in satiation and falling utility if the	
	Пы	intake is increased further. the marginal utility of a particular good is falling with its increased	
	b)	consumption (for constant quantities of the other goods).	
	c)	a rational consumer will consume two goods in a proportion such that the respective marginal rate of substitution equals the ratio of prices.	
8.	The principle increased con	of diminishing marginal rate of substitution of good 1 for good 2 with sumption of good 1 implies	
	a) b)	diminishing marginal utilities of both goods. a preference of the consumer for combinations of the two goods over	
	c)	bundles which contain either the one or the other good. the absence of local satiation points.	
9.	Assume that a units of some	a producer can produce commodity 1 with 2 units and commodity 2 with 3 resource, independently of the quantities produced of the two commodities.	
	a) b)	The marginal rate of transformation of good 2 into good 1 is equal to $^{3}/_{2}$. The marginal rate of transformation is equal to 1. The opportunity cost of good 1 in terms of good 2 is equal to $^{2}/_{3}$.	

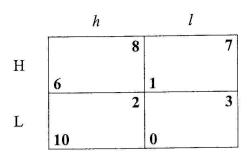
10. The marginal productivity of a factor of production is		
a) b) c)	the quantity of output divided by the quantity of input of this factor. the additional quantity of output obtained from an additional unit of input of this factor (keeping the other inputs constant). the ratio of the additional quantity of output to the additional unit of input (keeping the other inputs constant).	
11. The "law of di	minishing returns" states that	
a) b) c)	the additional output producible by an increase of all productive inputs in unchanged proportion declines beyond some threshold. the marginal productivity of every factor of production declines beyond some threshold. the opportunity cost of producing some good with given resources increases (in terms of other goods producible).	
12. Consider a standard market demand curve of some particular good. If the price of some close substitute for this good rises,		
a) b) c)	the demand curve shifts downwards. the demand curve shifts upwards. the demand curve does not change.	
13. Consider the ((inverse) demand curve $p=40-4x$.	
a) b) c)	The price elasticity of demand is 1. At a price $p=20$ the price elasticity of demand is equal to 1. At a price $p=8$ the price elasticity of demand is bigger than 1.	
14. Consider the (inverse) supply curve $p=16x$, where x is the quantity brought to the market.		
a) b) c)	The price elasticity of supply is 1. The price elasticity of supply is bigger than 1 and falling in p . The price elasticity of supply is smaller than 1 and rising in p .	
15. In a market ed and 14, the ed	quilibrium generated by the demand and supply curves from problems 13 quilibrium price is	
a) b) c)	32. 28. 24.	

18. Two goods can be produced by two producer-households which can also trade their outputs. They cannot trade, however, their factors of production. For producer A the necessary factor inputs for good 1 and good 2 are, respectively, 5 and 10. For producer B the input coefficients are, respectively, 4 and 2. A possible trade equilibrium for price-taking producer-households is supported by a relative price p_1/p_2 with		
A		
19. If for some household both leisure and material consumption are normal goods, the household's labor supply curve.		
ži Arati		

20. Suppose a consinterest rate go	sumer may in period 1 borrow or lend at some market interest rate. If the es up	
a) b)	the household's planned saving increases (in case the saving was positive at the previous interest rate). the household's planned borrowing is reduced (in case the saving was negative at the previous interest rate).	
c)	the household's planned borrowing may rise (in case the volume of borrowing at the previous interest rate was small).	
	at both present and future consumption are normal goods.)	
21. The potential higher productivity of "roundabout", more time-consuming production processes made possible by a reduction in present consumption was offered as an explanation for positive real interest rates by		
a)	Alfred Marshall.	
b)	Eugen v. Böhm-Bawerk.	
c)	William S. Jevons.	
22. If the shareholders in a firm have access to a "perfect capital market",		
a)	they will favour a higher investment volume if their personal time preference rates are low.	
b)	they will require the firm's management to maximise the present value of income independent of their personal time preference.	
(c)	they will instruct the management to choose the investment level which	
	maximises the utility of the shareholder with the highest time preference rate.	
23. The inverse de	emand function for labor of a price-taking profit-maximising firm is	
a)	the steeper the faster the marginal productivity of labor falls when employment is extended.	
b)	the flatter the faster the marginal productivity of labor falls.	
c)	not dependent upon the behavior of the marginal productivity of labor.	
24. The introducti	on of a minimum wage rate above the market equilibrium wage	
a)	increases unemployment the less the more wage-elastic the labor supply eurve is.	
b) c)	decreases employment the less the less wage-elastic the labor demand curve is. decreases employment the less the more wage-elastic the labor supply curve is.	

25. * If the produc	ction function for some good is given by		
$y = \sqrt{x_1 \cdot \sqrt{x_2}}$			
the technolo	gy is characterised by		
a) b) c)	constant returns to scale. decreasing returns to scale. increasing returns to scale.		
26. * Consider a market equilibrium generated by the demand and supply curves from problems 13 and 14. If the government introduces a tax of 1 € per unit of the commodity sold,			
a) b) c)	the quantity sold will be reduced and buyers bear the tax to the extent of 10c per unit. the quantity sold will not be reduced and sellers bear the whole tax. the quantity sold will be reduced and sellers bear the tax to the extent		
	there are 100 markets in an economy. Prices have adjusted so that 98 in equilibrium. Then Walras' Law implies that also the remaining two markets are in equilibrium. it is impossible that both remaining markets display excess supply. the market prices in the remaining two markets have to rise.		
C =	the costs of producing a quantity x of some good is given by the function $y = 20 + 3x + 4x^2$. Is a price taker in the output market, its (inverse) supply function is $y = 2 + 6x$. y = 3 + 8x. y = 20 + 8x.		
29. * An individu probability i If he choose	al has the choice between playing a lottery, which offers $1000 \in \text{with}$ $\frac{2}{5}$ and 0 with probability $\frac{3}{5}$, and receiving a sure amount of $399 \in \mathbb{R}$ as the sure $399 \in \mathbb{R}$, you may conclude that the individual is		
a) b)	risk-seeking. risk-averse. risk-neutral		

30. Two firms may offer their product for sale either at a low price (L for firm 1, *l* for firm 2) or at a high price (H for firm 1, *h* for firm 2). The following table displays their respective profits (lower left corners for firm 1, upper right corners for firm 2):



- a) There is no Nash-equilibrium.
 - b) There is exactly one Nash-equilibrium.
 - c) There are two Nash-equilibria.

- End of text. Good luck! -