MatrNr.		Name:			
Examination		5025: Economics II (Intermediate Macroeconomics)			
Semester:		Winter Semester 2007/08			
Examiners:		Prof. Dr. Gerhard Schwödiauer/ Prof. Dr. Joachim Weimann			
	aids may be used:	Non-programmable pocket calculators; English language dictionaries without any marking.			
Time:		120 minutes			
answers is corr the solution w every false ans a point. In orde Make sure tha	rect. Do not mark more than ill be considered false. For wer 1 point is subtracted. If the er to pass this exam at least 1	ach problem exactly one of the three optional one answer to any of the questions, otherwise every correct answer you obtain 2 points, for no answer is marked you neither obtain nor lose opoints are needed.  The your matriculation number and name in the			
		The second secon			
Examination (					
marginal ta for saving spending b GDP, and	Consider a closed economy with a private marginal propensity to consume of 0.4 and a marginal tax rate of 50 %. The central bank succeeds in keeping the interest rates relevant for saving and investment plans constant. The government increases lump-sum social spending by 1 billion euros. If investment plans do not depend on current changes in GDP, and the government finances its additional expenditure by increasing its debt aggregate effective demand (at constant prices) increases by				
a) b) c)					
2. Assume the constant by	at under the assumptions made cutting public investment sp	de in problem 1, the government keeps its deficit bending. In this case, aggregate effective demand			
a) b) c)					
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3.	Assume that real GDP is at its natural level when the producers become more optimistic about their future profits. According to Keynesian theory,				
	a) the interest rate rises sufficiently fast so that, in the short run, the balance of planned saving and investment is maintained at an unchanged level of GDP the balance of planned saving and investment is maintained by a short-run				
	rise in real GDP.				
	c) the price level rises sufficiently fast so that, in the short run, aggregate demand is kept at its previous level.				
4.	Under the assumptions made in problem 1 and the further hypothesis that an increase in the interest rate by 1 percentage point reduces aggregate planned expenditure by $\alpha$ units of real GDP, the slope of the <i>IS</i> -curve, $\partial i/\partial Y$ , is				
	a) $-0.4/\alpha$ .				
	b) -α/0.8.				
	c) -0.8/a.				
8.					
5.	Assume that both the income elasticity and the interest elasticity of money demand is equal to 1. Then, under the assumptions made in problems 1 and 4, the slope of the $AD$ -curve, $\partial P/\partial Y$ , is				
	a) $-\alpha A/MY^2$ .				
	b) $-AM/\alpha Y^2$ .				
	(c) (100 <sup>2</sup> / <sub>2</sub>				
	(M denotes the stock of money, and A is some constant.)				
6.	The so-called "crowding-out" effect of an increase in government expenditure on private investment is the bigger				
	a) the bigger is the marginal tax rate on personal incomes.				
	<ul><li>a) the bigger is the marginal tax rate on personal incomes.</li><li>b) the smaller is the interest sensitivity of money demand.</li></ul>				
	c) the smaller is the income sensitivity of money demand.				
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1.	Assume a standard short-run AS-curve and an AD-curve as resulting, e.g., from the assumptions in problems 1 and 4. In order to avoid that the government measure described				
	in problem 1 leads to an increase in the short-run equilibrium price level, the central bank would have to				
	a) keep the money supply constant.				
	b) engage in a contractive open-market policy.				
	c) keep the current interest rate constant.				

		ial banks keep measure result						
	a) b)	20 billion et 30 billion et	iros.					
	c)	40 billion et	iros.					
9.	is willing to	e assumption r hold all addition pply increases	onal money re					
	a)	40 billion et	iros.					
	b)	60 billion et						
	c)	100 billion o	euros.					
10	the labor force number of per at the beginn 45 % of those people with a leaving the la	during every rece at the begin cople losing or ing of the more a job leaving abor force. More bloyed. The sta	ning of the n quitting their oth. The num at the begin the labor for reover, every	nonth, where jobs during of a ce is the person er	ile 2 % are ing a mont ople finding month. A same as that ering the	e leaving the hais 1 % of g a job during a job during ssume that the percental labor force	ne labor for f total empling every no the percent ge of unented	rce. The loyment nonth is ntage of nployed nonth is
	a)	10 %.						
	b)	12.5 %. 16.6 %.						
		ntinuous-time	model!)					
11	price takers b	all firms produ	ınd labor mar	kets.				
	expected for	ner that the cu the current per					is the pri	ce level
	$\pi = \pi^e - b(u - u)$	$(u_n)$						
	has a slope							
	a)	b=2/3						
	b)	b=2/3 b=3. b=1/3						
	c)	b=1/3						

8. Assume that the central bank undertakes an expansive open-market operation in the volume of 10 billion euros. Assume further that the non-banking private sector keeps its money reserves in cash and sight deposits with commercial banks in the proportion of 1:5, while

possesses a lo	all firms produce according to the production function Y=N. Each firm ocal monopoly such that the price elasticity of its demand function is 11. The
the state of the s	rate is given by $W=P^{e}(1-u)$ . The slope of the corresponding Phillips Curve
$\pi = \pi^e - b(u - i)$	$(a_n)$
is	
a)	b = 11.
b)	b = 1.1.
(c)	b=1/11.
	in the economy described in problem 12 the firms have to pay a tax on their increase in this tax rate
a)	makes the Phillips Curve steeper and the natural rate of
	unemployment bigger.
b)	makes the Phillips Curve flatter without changing the natural rate of unemployment.
(c)	makes the Phillips Curve flatter and the natural rate of unemployment
	bigger.
In this case,	ast for a while but does not have a significant effect on producers' behaviour.  the price level falls in the short run but, since there is no change in the
b)	supply of money, in the medium run returns to its previous level.  the interest rate falls in the short run but in the medium run returns to
	its previous natural level.
c)	in the medium run the price level falls by more than in the short run, and the interest rate reaches a lower than previous natural level.
is made a de prediction of	is in medium-run equilibrium when the previously independent central bank partment of the ministry of finance. This measure raises the private sector's future inflation rates, though actual monetary policy (in terms of nominal y) does not change. As a consequence,
(a)	the nominal interest rate rises and the price level falls in the short run while in the medium run, as long as money supply is not changed, both return to their previous equilibrium levels.
b)	the price level rises in the short run and even more in the medium run, while the real interest rate falls in the short run and returns to its unchanged natural level in the medium run.
c)	the price level rises both in the short and medium run; this feeds back positively into the private sector's expectations about future inflation rates which in turn leads to a rise in the medium-run equilibrium (natural) real rate of interest.
	the extent of monopolisation in the markets for goods and services increases Which of the following three statements is correct?

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a)	Without any change in fiscal and monetary policy, the price level rises in the short run in proportion to the increase in the mark-up, without a change in real GDP.
b)	Without any change in fiscal and monetary policy, real GDP falls in the medium run while the price level rises by more than in the short run.
c)	By a restrictive monetary or fiscal policy the government can prevent a rise in the price level, but only at the cost of a lower medium-run equilibrium real GDP than in case b).
17. Okun's law s	states that
a)	the fall in the unemployment rate from one period to the next is linearly related to the extent the actual growth rate of real GDP exceeds the growth rate of its natural level.
b)	the unemployment rate in the current period is negatively correlated with the real growth rate of GDP in the previous period.
c)	the fall in the unemployment rate from one period to the next is linearly related to the extent the actual inflation rate exceeds the expected inflation rate.
N( labor ) is saving rate a	the macroeconomic production function is given by $Y = K^{1/3}N^{1/3}$ , where s constant. The distributional consequences of a permanent increase in the re, under the assumption that the factors of production are awarded according inal productivities,
a) b) c)	a medium- and long-run decline in the real capital rental rate leading to a lower share of income from capital and residual profits in GDP. a medium- and long-run decline in the real capital rental rate together with an increase in total real income from capital and residual profits. a medium- and long-run fall in the real wage rate leading to a fall in the total real wage bill.
19. Which of the	e following propositions is correct?
a) b)	For a saving rate of 25%, the stationary equilibrium in problem 18 is optimal in the sense of the Golden Rule.  The stationary equilibrium in problem 18 is (Golden Rule) optimal if the saving rate is 50%.
c)	The stationary equilibrium in problem 18 is an over-accumulation equilibrium if the saving rate is 50%.

but converges back to the real GDP per capita beging and during this transition	changes immediately in fa e original distribution due ns to grow, the capital int nal phase the share of capi ely without, however, cha	vour of capital owners, to economic growth. ensity is increasing, tal income in GDP rise
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with  $\alpha>0$  and N constant, and that the factors of production are rewarded according to their marginal productivities. The economy is in a steady state equilibrium when a natural disaster

20. Assume that the macroeconomic production function is

 $Y = [K^{\alpha} + N^{\alpha}]^{1/\alpha}$