LOYOLA COLLEGE (AUTONOMOUS) CHENNAI – 600 034



Date: 26-04-2025

M.A. DEGREE EXAMINATION – **ECONOMICS**





Max.: 100 Marks

PEC2MC02 - ADVANCED MACROECONOMICS - II

Dept. No.

SECTION A – K1 (CO1)		
	Answer ALL the questions $(5 \times 1 = 5)$	
1	Choose the best answer.	
a)	In the Ramsey-Cass-Koopmans model, what does the "golden rule" level of capital represent?	
,	(A) The level of capital that maximizes consumption per worker in the steady state	
	(B) The level of capital that maximizes investment per worker in the steady state	
	(C) The level of capital that maximizes economic growth in the steady state	
	(D) The level of capital that maximizes social welfare	
b)	Which among the following is the primary driver of long-run economic growth in the Romer model?	
	(A) Accumulation of physical capital	
	(B) Technological progress	
	(C) Population growth	
	(D) Natural resource abundance	
c)	Real Business Cycle models often use which mathematical technique?	
	(A) Game theory	
	(B) Dynamic stochastic general equilibrium (DSGE) modeling	
	(C) Input-output analysis	
	(D) Regression analysis	
d)	According to the Lucas model, short-run fluctuations in real output are primarily caused by:	
	(A) Changes in government spending	
	(B) Changes in technology	
	(C) Unanticipated changes in the money supply	
	(D)Changes in consumer confidence	
e)	The Calvo Model is primarily concerned with:	
	(A) Perfectly flexible prices.	
	(B) Staggered price adjustments.	
	(C) Perfect information.	
	(D) Real business cycles.	
SECTION A – K2 (CO1)		
	Answer ALL the questions $(5 \times 1 = 5)$	
2	State TRUE or FALSE.	
a)	The Diamond model is a static model that does not consider the evolution of the economy over time.	
b)	A key feature of Romer's model is the presence of increasing returns to scale, particularly in the	
	production of ideas.	
c)	RBC theory emphasizes the role of sticky prices and wages in explaining economic downturns.	
d)	In Lucas's model, unanticipated changes in the money supply can lead to short-run fluctuations in	
u)	real output.	
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e)	In Fischer's model, monetary policy can have real effects on output in the short run.	

SECTION B – K3 (CO2)		
	Answer any THREE of the following in 100 words each. $(3 \times 10 = 30)$	
3	Experiment the effect of increase in saving rate and population growth rate in Solow model.	
4	Construct the research sector of the Romer's Economy.	
5	Organize the general facts about economic fluctuations.	
6	Identify the real rigidity with an example.	
7	Solve the household's utility function of the Dynamic New Keynesian model.	
SECTION C – K4 (CO3)		
	Answer any TWO of the following in 200 words each. (2 x 12.5 = 25)	
8	Analyze the demographic structure and household utility function of Porter's Diamond Model.	
9	Examine the relationship between technical progress and human capital formation.	
10	Discover the cyclical behaviour of real wage with an illustration.	
11	Inspect the implications of Fischer's staggered price adjustment model of fluctuations.	
SECTION D – K5 (CO4)		
	Answer any ONE of the following in 500 words $(1 \times 15 = 15)$	
12	Evaluate the Canonical New Keynesian model.	
13	Explain the Romer model of endogenous growth.	
SECTION E – K6 (CO5)		
	Answer any ONE of the following in 1000 words $(1 \times 20 = 20)$	
14	Discuss in detail the Solow's model with technological progress.	
15	Elaborate the optimal saving rate and labour supply decisions using baseline model of Real Business Cycle theory.	
