	7	K22P 0113
Reg. No. :		
Name :		
Il Semester M.A. Degree (C.B.S.S. –	Reg./Supple./Imp.) Ex	amination, April 2022
ECONOMICS/DEV. ECO	하다의 대통령 하나 이 없는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하	CONOMICS
Time : 3 Hours	n 生態 naXX	Max. Marks: 60
montant of F	PART – A	
Answer all the eight questions in Pa	rt – A. Each question ca	rries ½ mark :
1. Which of the following is not a dis	tribution free test?	
A) GearyTest		
B) Pearson Product Moment Corr	relation	
C) Spearman Coefficient of Corre	lation	
D) Kolmogorov-Smirnov Test		
2. The order condition states that	model has but	
A) If $k = m - 1 = $ The equation is	exactly identified	
B) If $k > m - 1 \Rightarrow$ The equation is	s under identified	
C) If $k < m - 1 \Rightarrow$ The equation is		
D) All the above	UNIVERSION	
3. Factor analysis is a remedial mea	sure for	
A) Autocorrelation	B) Multicollinea	arity
C) Heteroscedasticity	D) Normality	Summary objects
4. Which among the following is an a	assumption of a linear re	gression ?
A) Multivariate normality	B) No or little m	28 TOTAL STREET, STREE
C) No auto-correlation	D) All the above	
		P.T.O.
	8.	

5. Regressors are _ _____ in repeated samples. A) Random B) Stochastic C) Non stochastic D) Varying 6. Identify the variable which is not known as a dummy variable. A) Nominal scale B) Categorical C) Ratio D) Indicator 7. The theorem that justifies normality assumption in OLS regression A) Central limit B) Gauss Markov C) Kruskal's D) Taylor's 8. Variance inflation factor detects A) Simultaneity B) Linearity C) Autocorrelation D) Multicollinearity PART - B Answer any eight questions in Part - B. Each question carries 2 marks. No answer

9. Define unbiasedness property of an estimator.

(8×1/2=4)

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 $(2 \times 10 = 20)$

10. Give an account of Indirect Least Squares.

- 12. What is GLS method?
- 13. What do you mean by parameter estimation?

11. What is the normality assumption?

14. Mention any two consequences of heteroscedasticity.

should exceed one page:

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- 15. Define parameter.

Define total sum of squares.

conditions of identifiability.

Discuss the Durbin Watson d test.

29. Discuss the nature of simultaneous equation models.

17. What is simultaneous equation bias?

18. Why do we need econometrics?	
19. Explain the goodness of fit of a statistical model.	(8×2=16)

PART - C

Answer any four questions in Part - C. Each question carries 5 marks. No answer

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should exceed two and a half pages.

- 20. Discuss the nature and scope of econometrics. 21. Explain identification problem. Differentiate between the rank and order
- 22. What is the justification of stochastic disturbance term in regression analysis? 23. Mathematically derive coefficients using OLS method for the regression function:
- $y_i = \beta_1 + \beta_2 x_i + u_i.$ 24. Prove the properties of OLS regression estimators.

 $(4 \times 5 = 20)$ 25. Explain ANOVA in regression.

Answer any two questions in Part - D. Each question carries 10 marks. No answer should exceed six pages:

PART - D

26. What are the consequences of OLS estimation in the presence of autocorrelation?

27. Explain the two approaches in the hypothesis testing of regression coefficients. 28. State and explain the assumptions of classical linear regression model.