1M3N19166   (Pages : 3)   Reg. No:...........................

                                                 Name: ....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Third Semester MA Economics Degree Examination, November 2019

MECO3B09 – Economics of Growth and Development

(2018 Admission onwards)

Time: 3 hours   Max. weightage: 36

Part A

Answer all questions

Each bunch of four questions carries weight of 1

A: Multiple Choices

1.   Who is kwon as the pioneer of Endogenous growth theory?

     A. Poul Romer B. Celeso Furtado C. Robert M Solow D. Arrow

2.   'Golden rule of accumulation' refers to the savings rate that:

     (A) Maximises the growth rate of output

     (B) Optimises the investment in the economy

     (C) maximises the growing per capita consumption

     (D) None of the above

3.   The concept of ecological dualism is related to

     A.Boeck   B. Mint   C. Greetz   D. Benjamin Higgins

4.   In the Solow growth model the equality between Gw and Gn will be brought by

     A. substitutability between G and Gw

     B. substitutability between capital and Labour

     C. substitutability between technology and Labour

     D. substitutability between capital and Technology.

B: Multiple Choices

5.   Who among the following is not associated with the 'Dependency Theory' of

     development?

     (A) Paul Baran (B) Samir Amin (C) A.G. Frank (D) Gunnar Myrdal

6.   For the Harrod model of growth, which among the following production functions

     best matches with the assumptions of the model ?

     (A) Leontief production function

     (B) Homogeneous production function

     (C) C.E.S. production function

     (D) Well-behaved production function

7.　　Harris Todaro model is related with

　　　A. unemployment and growth

　　　B. Growth and Migration

　　　C. unemployment and migration

　　　D. Unemployment and inflation

8.　　The unbalanced growth strategy is based on

　　　A. the internal and external economies

　　　B. increasing and constant returns to scale

　　　C. spread and backwash effects

　　　D. forward and backward linkage

C. Fill in the Blanks

9.　　UNCTAD IS the acronym of.....................................?

10.　The term Industrial Reserve Army of labour' was firstly used by...........................

11.　The concept of "quasi bottlenecks" connected with................................... model

12.　In the steady state growth situation in the Solow's model of growth, the upper limit growth would be determined by the growth rate of.............................

D. States True or False

13.　　In the Lewis model wages are given in the subsistence sector on the basis of Averag productivity

14.　　Libenstein in his critical minimum effort thesis treats population as an Income generating force

15.　　The big push strategy of economic development was firstly suggested by Rosenstein Rodan

16.　　Simultaneous growth of various sectors of the economy is called balanced growth

(16 x ¼ = 4 Weightag

Part B (Short Answer Questions)
Answer *any ten* not exceeding one page each
Each question carries a Weightage of 2

17.　Difference between conditional convergence and unconditional convergence

18.　Bring out the major difference between growth and development

19.　Explain the Kuznet's inverted U shape hypothesis with the help of Lorenze curve and Gini coefficient?

20.　Critically evaluate the classical theories of economic growth

21.　Explain the "critical minimum effort thesis"?

22. What is sustainable development? Explain the major recommendations of Brutdland commission report?

23. Distinguish between balanced and unbalanced growth strategy?

24. Explain the Myrdal's theory of circular cumulative causation theory?

25. Briefly explain Rostow's stage theory?

26. Discuss the merits and demerits of HDI as a measure of economic development?

27. Write a note on dependency theory of economic development?

28. Explain the Vintage model of development

29. In what way does poor education and poor health affect the performance of an economy?

30. Explain the Big push theory?

(10 x 2= 20 Weightage)

Part C (Essay Questions)
Answer any three not exceeding three pages each
Each question carries a weight of 4

31. Critically evaluate Harrod –Domar model of economic growth?

32. Compare and contrast Lewis and Fei-Ranis model of labour surplus theory?

33. "Economic development is incomplete without considering environment" Discuss the trade off between environment and economic development?

34. Explain the process of Schumpeter's theory of development. Compare his model with Marxian theory of development.

35. Critically examine the 'Low level of equilibrium trap theory of Nelson?

(3x4=12 Weightage)

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Third Semester MA Economics Degree Examination, November 2019

MECO3B10 – Basic Econometrics

(2018 Admission onwards)

Time: 3 hours

Max. weightage: 36

Part A
Answer All Question
Each bunch of four questions carries a weightage of 1

A-Multiple Choice:

1. Which international organizations is largely contributed the development of the subject econometrics

    a) Cowles commission USA

    b) The Econometric Society

    c) Department of Applied Economics, Cambridge

    d) All the above

2. Suppose that observations are available on the monthly bond prices of 100 companies for five years. What type of data are these?

    a) Cross-section

    b) Time series

    c) Panel Data

    d) both b and c

3. In estimating PRF from SRF, we try to

    a) Minimize the error term

    b) Minimize the variance

    c) Minimize the squared error term

    d) Maximize the R^2

4. The value of adjusted R^2 is always

    a) Negative

    b) less than 1

    c) less than R^2

    d) both (b) and (c)

(4 x ¼ =1 weightage)

B-Multiple Choice:

5. Which of the following is true in the context of statistical tests of hypotheses for two variable linear regression model :

    a) $t^2 > F$

    b) $t^2 < F$

    c) $t^2 = F$

    d) $t = F$

6. If a qualitative variable has 4 categories, then how many dummies we can introduce?

    a) 4 dummies with intercept

    b) 3 dummies with intercept

    c) 4 dummies without intercept

    d) both b and c

7. In the presence of Heteroscedasticity, which of the following is not a correc statement?

    a) Heteroscedasticity does not alter the unbiasedness and consistency propertie of OLS estimators.

    b) OLS estimators are of minimum variance or efficient

    c) BLUE estimators are provided by the method of weighted least squares.

    d) 't' and 'F' tests based on standard assumptions of classical linear regressio model may not be reliable.

8. Given a two-variable regression model with Y as dependent variable and X a independent variable,if the regression coefficient between Y and X is 0.7, then whic one of the following result is correct?

    a) 7% variations in Y are explained by X.

    b) 70% variations in Y are explained by X

    c) 49% variations in Y are explained by X.

    d)0.7% variations in Y are explained by X.   **(4 x ¼ =1 weightage**

C. Fill in the Blanks

9. In a two variable regression model, $\dot{Y} = \alpha + \beta X + u$, the value of $\beta = 0.535$ and in corresponding reverse regression $X = \alpha^* + \beta^* Y + v$ the value of β^* is 0.789. Th the value of correlation coefficient is _____?

10. The estimated equation is given by $Y = 17 + 0.67047X$. What is the value of residu at the point X=70

11. The intercept in two regression lines are the same, but the slopes are different, this i case of_____

12. The JarqueBera test is a test for checking _____

                    (4 x ¼ =1 weightag

State whether following statements aretrue or false:

13. The sum of squared residual is always zero.

14. An unbiased estimator with least variance is known as an efficient estimator.

15. The regression model with all the explanatory variables are dummy is called ANCOVA model.

16. Koyck Model is essentially an autoregressive model.

(4 x ¼ =1 weightage)

Part B
Answer any 10 questions
All the questions carries a weightage of 2

17. Discuss the subject matter, scope and uses of econometrics?

18. Differenciate between panel and pooled data?

19. Econometrics is simply a 'Game of Error Term'. What are the information this stochastic error term catch?

20. Why do we need Adjusted R^2 in MLRM to test the goodness of fit. If R^2 in a 3 variable and 50 observation regression model is 0.72, then using this information calculate the value of adjusted R^2

21. Discuss the various assumptions of Ordinary Least squares respecting the statistical properties of the random error term?

22. Explain estimation of elasticity using log-log model?

23. Explain the nature of dummy variable and what is dummy variable trap.

24. The estimated results of dummy variable regression model $w = \beta_0 + \beta_1 D1 + \beta_2 D2 + \beta_3(D1D2) + \beta_4 E + u$ is given below. Where D1=Male and 0 otherwise and D2=1 if Keralites and 0 otherwise.

$$W=1348.42+ 376.646D1+12.45D2+ 314.55(D1D2) +21.42E$$

Interpret the results?

25. How to interpret an OLS regression result of income on expenditure?

$$Y=184.07+0.7827X$$

176.99   0.258

(1.04)   (3.03)

[0.69]   [0.05]

R^2=0.989   D.W=1.9

Where, 176.99 and 0.258 are standard errors, (1.04) and (3.03) are t statistics, and [0.69] and [0.05] are p values

26. Discuss Durbin-Watson test for detecting autocorrelation.

27. Explain Multicollinearity and its sources?

28. Write a note on specification error?

29. What is Autoregressive distributed lag model?

30. Explain Koyack Model

<div style="text-align: right">(10 x 2=20 weight</div>

Part C
Answer any three questions
All questions carries a weightage of 4

31. Consider the celebrated demand for money theory of Keynes (Liquidity Prefere Theory). It says that the demand for money is positively related to income negatively related to interest rate. Discuss the detailed methodology or steps that will be followed in empirically testing this theory?

32. Explain Guass-Markove theorem and prove that β_1 is a linear function of Y_i and estimated β_0 and β_1 are the unbiased estimators of true β_0 and β_1, and estimators possess minimum variance.

33. A sample of 12 observations corresponding to a simple linear model $Y = \alpha + \beta X$ provided the following results

$$\sum X = 4200, \sum (X - \overline{X})^2 = 46509.96$$

$$\sum Y = 3861, \sum (Y - \overline{Y})^2 = 40068.24$$

$$\sum (X - \overline{X})(Y - \overline{Y}) = 43145.04$$

Using the given information,

   a) Estimate α and β

   b) Find out the goodness of fit of the model.

   c) Find out SE of the regression model

   d) Find out the SE of estimates α and β

   e) Find out t value and F value

   f) Also obtain 95% confidence interval for α and β $(t_{\alpha/2} = 2.2281)$

34. What do you mean by autocorrelation? Discuss its sources, consequences, detectio and remedial measures.

35. Discuss the major four uses of dummy variable regression.

36. Explain Heteroscedasticity, its consequences, various detection methods and reme measures.

<div style="text-align: right">(3 x 4=12 weight</div>

42

Part A

Answer all questions

Each bunch of four questions carries Weightage of 1

A. Multiple choice:

1. Who is the author of Interregional and International Trade?

   a) Heckscher   b) Haberler   c) Ohlin   d) Meade

2. Protectionist trade benefits scarce factor of production according to

   a) Stolper Samuelson Theorem

   b) Leontief Paradox

   c) Metzler Paradox

   d) Factor Price Equalisation Theorem

3. According to Opportunity Costs Theorem, a concave production possibility curve leads to

   a) rising opportunity costs, complete specialization and gains from trade

   b) rising opportunity costs, incomplete specialization and absence of gains from trade

   c) rising opportunity costs, incomplete specialization and gains from trade

   d) all of these

4. Which of the following is income terms of trade?

   a) $\frac{Px}{Pm}$ b) $\frac{Px}{Pm}.Qx$ c) $\frac{Pm}{Px}$ d) $\frac{Qm}{Qx}$

B. Multiple choice:

5. Countervailing tariff is imposed mainly for the purpose of

   a) Earning revenue   b) protecting infant industries

   c) compensate for export subsidies   d) Administrative convenience

6. .... permits free movement of factors of production across the nations.

   a) Customs Union   b) Common Market

   c) Free Trade Area   d)Preferential Trading Agreement

7. The concept of immiserisng growth was put forward by

   a)Myrdal b)Prebisch   c)Singer   d)Bhagwati

8. When no imported inputs are used in the production of a commodity, the effective rate of tariff on the commodity is

   a) Equal to the nominal tariff rate on the commodity

   b) greater than the nominal rate of tariff

   c) Smaller than the nominal tariff

   d)all of these

C. Fill in the blanks

9. When tariff is imposed, terms of trade of a large nation ----------------

10. At constant relative commodity prices, if the output of exportables rise proportionately more than the output of importables, it is -----------------effect of growth on trade

11. Trade based on economies of scale would lead to ----------------------- specialization in production

12. A firm that practices dumping charges a price -------------------------------

D. State True or False

13. The wealth effect of a technical progress on trade is always positive

14. Deadweight loss borne by the country is higher in the case of production subsidies than export subsidies.

15. Jacob Viner developed the concept of single factoral terms of trade

16. The existence of non tradeables results in Dutch Disease

                                                    (4 x1=4 Weightage)

Part B (Short Answer Questions)
Answer any ten not exceeding one page each
Each question carries a Weightage of 2

17. Explain Prebisch Singer Thesis.

18. What is dumping? Explain the procedures for the imposition of Anti-dumping duties.

19. Leonteif Paradox

20 Rybcyznski Theorem

21 VERs

22. Optimum tariff

23. Product cycle model

24. Opportunity cost theory

25. Infant industry trade policy

26. Write a note on the export promotion policy in India

27. List out the merits and demerits of free trade policy

28. Write a note on BREXIT

29. How does transportation cost affect international trade?

30. Stolper Samuleson Theorem

(10 x 2=20 weightage)

Part C (Essay Questions)
Answer any three not exceeding three pages each
Each question carries a Weightage of 4

31. Discuss the theory of Customs Union.

32. Commodity trade is a substitute for factor trade. Explain

33. Explain H-O theorem

34 Discuss the major WTO Agreements and the impact on India.

35. Compare the welfare effects of tariffs vis-à-vis quotas

36. Explain the impact of economic growth on trade.

(3x4 = 12 Weightage)

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Third Semester MA Economics Degree Examination, November 2019

CO3B12 – Research Methodology in Economics and Computer Applications

(2018 Admission onwards)

 hours   Max.Weightage : 36

Part A
Answer *all questions*
Each bunch of four questions carries weight of 1

ltiple Choices

 Basic Research is also known as

) Formulative Research   b) Field Research

) Fundamental Research   d) Practical Research

at add-in program serves as the data analyzing tool in Excel?

) Excel Analyse   b) Analysis Toolpak

) Analyse Tools   d) Analyse Tool Excel

y do you need to review the existing literature?

a) You enjoy reading the academic research on your topic.

b) Because without it, you could never reach the required word-count.

c) To find out what is already known about your area of interest.

d) To make sure you have a long list of references.

hich of the following can be the source of primary data in research?

a) Experiment   b) Survey

c) Survey and Reference   d) Survey and Experiment

ultiple Choices

he census carried out by government of India is an example of

a) Exploratory Research   b) Casual Research

c) Fundamental Research   d) Descriptive Research

esting hypothesis is a............

a) Data preparation   b) Data analysis

c) Descriptive statistics   d) Inferential statistics

7. In APA style the list of references should be in order by:

    a) Chronological by date of publication   b) Alphabetical by title

    c) Alphabetical by First Author's last name   d) Alphabetical by First Author's first name

8. In SPSS, what is the "Data Viewer"?

    a) A table summarizing the frequencies of data for one variable.

    b) A spreadsheet into which data can be entered.

    c) A dialog box that allows you to choose a statistical test.

    d) A screen in which variables can be defined and labeled.

C. Fill in the blanks

9. Failure to acknowledge the borrowed material is called…..

10. The Formulas in MS Excel starts with…..

11. A sampling technique where existing study subjects recruit future subjects from among their acquaintances is known as………

12. ……….. is a structure of a set of questions on a given topic which are asked by the interviewer or investigator personally.

D. True/ False

13. Correct spacing between lines in APA style of references is 1.5

14. In MS-Excel, Cell is an intersection of rows and column.

15. If a researcher is studying the effect of using laptops in his classroom to ascertain their merit and worth, he is likely conducting Evaluation research.

16. A blue print of research is known as sampling design.

$(16 \times {}^{1}/_{4} = 4 \text{ weightage})$

Part B (Short Answer Questions)
Answer *Any Ten* not exceeding one page each
Each question carries a weight of 2

17. Discuss the various characteristics of a good research.

18. What are the steps of writing a research proposal?

19. Bring out the importance of review of literature as a source of research problem.

20. What is a hypothesis? Distinguish between null and alternative hypothesis.

21. Describe the research designs used in quantitative research study.

22. Distinguish between structured and semi structured questionnaire.

23. What is simple random sampling without replacement (SRSWOR)? State the procedure for drawing sample by SRSWOR.

24. Differentiate between in-text citation and reference citation.

25. What are the uses of Mendeley software?

26. What is plagiarism? How can you avoid plagiarism in research paper?

27. What are the steps to calculate correlation and regression by using MS Excel?

28. What are the various types of growth rate? How do you estimate them by using MS Excel?

29. How can you find and replace missing values in SPSS? What are the various methods to replace them?

30. How to conduct hypothesis testing in SPSS?

$(10 \times 2 = 20$ weightage)

Part C (Essay Questions)
Answer *any three* not exceeding three pages each
Each question carries a weight of 4

31. "Research is much concerned with proper fact finding, analysis and evaluation." Do you agree with this statement? Give reasons in support of your answer.

32. Evaluate the different methods of collecting primary data.

33. Explain the significance of a research report. Draft the layout of a research report.

34. Explain the steps to draw Linear, Non-Linear Trend Lines and moving averages by using MS-Excel.

35. What are the benefits of using SPSS for analysis? Explain the steps and procedures to conduct one way ANOVA and Post-Hoc Test in SPSS.

$(3 \times 4 = 12$ weightage)