

**R7582**

**Sub. Code**

**455101**

**M.A. DEGREE EXAMINATION, NOVEMBER – 2022.**

**First Semester**

**Economics**

**MICRO ECONOMICS – I**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** questions.

All questions carry equal marks.

1. Marginal utility curve is always
  - (a) Rising
  - (b) Falling
  - (c) Parallel to X axis
  - (d) Parallel to Y axis
2. A consumer reaches equilibrium at the point where
  - (a)  $MU = P$
  - (b)  $MU < P$
  - (c)  $MU > P$
  - (d)  $TU = P$
3. A concept which has importance in the equilibrium analysis and thus economic analysis is
  - (a) AFC
  - (b) TFC
  - (c) Opportunity cost
  - (d) MC
4. Under the law of variable proportion the stage of actual production is the
  - (a) Third stage
  - (b) Second stage
  - (c) First stage
  - (d) Either in second or in third stage

5. Efficient allocation of resources is likely to be achieved under
- (a) Monopoly
  - (b) Monopolistic competition
  - (c) Perfect competition
  - (d) Any market form
6. Bilateral monopoly means
- (a) Two rival sellers only
  - (b) Two rival buyers only
  - (c) A monopoly seller buying his input from many suppliers
  - (d) A monopolist facing a monopsonist
7. When demand is slack and market is competitive, firms follow which of the following pricing methods?
- (a) Penetration pricing
  - (b) Peak load pricing
  - (c) Marginal cost pricing
  - (d) Skimming Pricing
8. Pricing strategy of setting a high price when a product is introduced and gradually lowering its price is known as
- (a) Skimming
  - (b) Penetration pricing
  - (c) Peak load pricing
  - (d) Dumping
9. If the profit constraint in Baumol's model were to rise, which of the below are untrue?
- (a) Total revenue falls if the constraint were operative
  - (b) Price charged rises if the constraint were operative
  - (c) To counter the necessity to make more profit the firm will increase sales by lowering price
  - (d) There would be no impact upon price so long as the constraint remained inoperative.

10. A discretionary investment in Williamson's model represents
- (a) A way of spending surplus profit
  - (b) An additional investment undertaken by managers in excess of that required for the normal operation of the firm
  - (c) A free and anonymous gift by managers to charity
  - (d) A gift by managers to shareholders by means of an additional dividend

**Part B** (5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

All questions carry equal marks.

11. (a) Describe the properties of indifference curve.
- Or
- (b) Revealed preference theory makes a major advancement in the study of consumer behavior – Explain.
12. (a) Interpret the Euler's product exhaustion theorem.
- Or
- (b) Write a note on Cobb-Douglas production function.
13. (a) Outline the characteristics of monopoly market.
- Or
- (b) Explain the firm's equilibrium under selling costs.
14. (a) Prepare a note on premium pricing.
- Or
- (b) Illustrate the advantages of captive product pricing.

15. (a) Discuss the Marris's model of managerial enterprises.

Or

- (b) Sketch the full cost pricing rule.

**Part C**

(5 × 8 = 40)

Answer any **five** questions.

All questions carry equal marks.

16. Critically examine the law of diminishing marginal utility with help of table and diagram.
17. Analyze the Slutsky's method of substitution effect.
18. Give a critical appraisal of Frontier production function with illustration.
19. Explain the concepts of total cost, average cost and marginal cost.
20. Enumerate the equilibrium of the firm under perfect competition.
21. Analyze the short-run and long-run equilibrium of a firm working under monopolistic competition.
22. Appraise the promotions pricing strategy.
23. Examine the Bains model of limit pricing.

**R7583**

**Sub. Code**

**455102**

**M.A. DEGREE EXAMINATION, NOVEMBER – 2022**

**First Semester**

**Economics**

**MACRO ECONOMICS – I**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** questions.

All questions carry equal marks.

1. National income is less than NNP at market price by the amount of
  - (a) Transfer payment
  - (b) Direct taxes
  - (c) Net indirect taxes
  - (d) Depreciation
2. Circular flow of income in a two sector model implies
  - (a) Payments from households to firms and back
  - (b) Payment from firms to firms
  - (c) Payments from households to households
  - (d) Payments from households to firms
3. The Keynesian consumption function is assumed to be
  - (a) Non-proportional
  - (b) Stable in the short run
  - (c) Stable in the long run
  - (d) All of the above

4. The excess of income over consumption function is proportional then
  - (a) Saving
  - (b) Investment
  - (c) Both (a) and (b)
  - (d) None of these
5. The ratio of change in investment to the change in income is called
  - (a) Average propensity to invest
  - (b) Marginal propensity to invest
  - (c) Multiplier
  - (d) Accelerator
6. The author of employment multiplier is
  - (a) Lord Beveridge
  - (b) Keynes
  - (c) R.F Kahn
  - (d) JR. Hicks
7. An increase in the tax rate will cause
  - (a) IS curve to shift up to the right
  - (b) IS curve to shift down to the left
  - (c) LM curve to shift up to the left
  - (d) LM curve to shift down to the left
8. In the IS-LM model, supply of money is assumed as
  - (a) An increasing function of the rate of interest
  - (b) A function of the level of income
  - (c) A decreasing function of the rate of interest
  - (d) Exogenously given
9. Advocates of supply side economics argue that spending by the federal government
  - (a) Helps stimulates economics growth
  - (b) Has no effect on economic growth
  - (c) Slows economic growth
  - (d) Can crash the economy completely

10. The Laffer curve is a relationship between
- (a) Tax and tax revenue
  - (b) Revenue and expenditure
  - (c) Unemployment and inflation
  - (d) Economic development and environment

**Part B** (5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

All questions carry equal marks.

11. (a) Show the importance of macroeconomics.
- Or
- (b) What are the difficulties in the computation of national income?
12. (a) Illustrate the average propensity to consume.
- Or
- (b) Bring out the significance of the psychological law of consumption.
13. (a) Prepare a note on super multiplier.
- Or
- (b) Explain the classical approach of investment equality.
14. (a) What causes the LM curve to upward and downward shifts – Discuss.
- Or
- (b) Interpret the Long-run Phillips curve.

15. (a) Write short note on supply side economics.

Or

(b) Enlighten the nexus between government regulation and economic growth.

**Part C** (5 × 8 = 40)

Answer any **five** questions.

All questions carry equal marks.

16. Illustrate graphically the circular flow of income and expenditure in a four sector model.
17. Examine the various concepts of national income.
18. Give a critical review of classical theory of employment.
19. Critically examine the merits of Keynesian general theory of income and employment.
20. Analyze the Jorgenson's new-classical theory of investment.
21. Clarify the dynamic variant of investment multiplier.
22. Enlighten the Hicks – Hansen's IS-LM model of general equilibrium.
23. Critically analyze the important implications of Laffer curve.





5. If a firm faces the total cost function  $TC = 5 + x^2$  where  $x$  is output, what  $TC$  when  $x$  is 10?
- (a) 100                      (b) 105  
(c) 10                        (d) 15
6. Formula for calculating MR
- (a)  $MR = d(TR) / dQ$    (b)  $Qd = Qs$   
(c)  $MC = d(TC) / dQ$    (d)  $Ps = 2Q + 1$
7. What is the Slope function  $Y = 10x^4$  when  $x = 5$ .....?
- (a) 5000                      (b) 165  
(c) 125                        (d) 5500
8. Function with more or equal to two independent variables are called \_\_\_\_\_.
- (a) Multivariable function  
(b) Simple variable function  
(c) Both (a) and (b)  
(d) Slope function
9. Variables used in the objective function while solving LPP are known as \_\_\_\_\_ variables.
- (a) Subjective                (b) Accidental  
(c) Objective                (d) Relational
10. In Northwest corner method the allocation are made
- (a) Starting from the left hand side top corner  
(b) Starting from the right hand side top corner  
(c) Starting from the lowest cost cell  
(d) Starting from the lowest requirement and satisfying first

**Part B**

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Find the intercepts of the straight line  $7x + 3y = 4$ , on both the axes.

Or

- (b) Define Mathematical Economics and Scope of Mathematics for economic Analysis.

12. (a) Explain the different types of Functions in Economics.

Or

- (b) Solve the following Quadratic Equations;

(i)  $3x^2 + 5x - 2 = 0$ ; and

(ii)  $3x^2 + 7x + 2 = 0$

13. (a) Find  $dy/dx$  from the following Equations;

(i) If  $Y = 10x^{12}$ ,

(ii) If  $Y = 9x^{-4}$  and

(iii) If  $Y = -4x^7$

Or

- (b) Determine the Derivative of  $f(x)$ .

(i) If  $Y = x^3 - x^8$

(ii) If  $Y = x^4 - x^9 - x^{11}$

(iii) If  $Y = 7x^7 - 8x^8$

14. (a) If the demand function and supply function are  $D = 50 - 10p$  and  $S = 5 + 5p$  find the price and the equilibrium level of output.

Or

- (b) Define integration and State the rules of integration.

15. (a) Describe the Linear programming problems.

Or

- (b) Explain the types of input and output model.

**Part C**

(5 × 8 = 40)

Answer any **five** questions.

16. Discuss the Pros and Cons of using mathematics in Economics.

17. Solve the Equations using Inverse Method.

$$x + 3y + 3z = 1$$

$$x + 4y + 3z = 2$$

$$x + 3y + 4z = 3$$

18. Solve the following Simultaneous Equations

(a) Solve:  $3x + 2y = 13$   
 $2x + 3y = 12$

(b) Solve:  $5x + 5(y - 5) = 0$   
 $2x + 3(y - 2) = 13$

19. Investigate the Maximum and Minimum value of the following function;  $z = 48 - 4x^2 - 2y^2 + 16x + 12y$ .

20. Find the Elasticity of Demand for the Demand Function  $P = -2q^2 + 18$  at  $q = 1$ .

21. Given the demand function  $P = 8 - 2x$  and the Supply function  $P = 2 + x$ , find the consumer surplus and the producer surplus.

22. Examine the Producer Surplus with diagrammatic representation.

23. Write a critical note on input and output analysis.

**R7585**

**Sub. Code**

**455104**

**M.A. DEGREE EXAMINATION, NOVEMBER – 2022**

**First Semester**

**Economics**

**WATER POLICIES AND IRRIGATION DEVELOPMENT**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** questions.

All questions carry equal marks.

1. What is the target of Jal Jeevan Mission?
  - (a) To provide irrigation facility to farmers
  - (b) To provide the internet connection to all
  - (c) To provide tap water connection to all
  - (d) To clean the river
  
2. Which of the following policy was framed in India to reduce the losses?
  - (a) National Water policy
  - (b) Water law
  - (c) Policy of water
  - (d) Irrigation water policy
  
3. Mettur dam is constructed across \_\_\_\_\_ river.
  - (a) Palar
  - (b) Kaveri
  - (c) Thamirabharani
  - (d) Noyyal

4. A water meter is used to measure the
- (a) Depth of flow of water
  - (b) Discharge
  - (c) Velocity of flow of water
  - (d) None of the above
5. Which irrigation practice leads to maximum water conservation
- (a) Tube Well                      (b) Sprinkler
  - (c) Water Well                    (d) Drip irrigation
6. Which of the following type of irrigation methods uses artificial rain to irrigate the land?
- (a) Sprinkler irrigation
  - (b) Furrow method
  - (c) Border irrigation
  - (d) Drip irrigation
7. Why is water scarcity mainly caused
- (a) Water pollution
  - (b) Excessive use and unequal access to water
  - (c) Water management
  - (d) Using to utility
8. Which of the following cities is not located on a river bank?
- (a) Surat                              (b) Agra
  - (c) Cuttack                            (d) Mysore

9. If in the harvest season when the river flow is low which method should use for irrigation
- (a) Direct irrigation (b) Storage irrigation  
(c) Lift irrigation (d) Irrigation by wells
10. For cereal crops the most commonly adopted method of irrigation is
- (a) Check method (b) Free flowing method  
(c) Furrow method (d) Sprinkling method

**Part B** (5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Explain the role of irrigation in Indian Agriculture sector.

Or

- (b) Write short note on water policy 2002.

12. (a) Describe the financial criteria followed for sanctioning irrigation projects in India.

Or

- (b) Why is there a need for irrigation investment in economic development? - Discuss.

13. (a) Show the major features of micro-irrigation.

Or

- (b) Explain the principles of selecting a sprinkler irrigation system.

14. (a) Illustrate the pricing mechanism of irrigation in India.

Or

- (b) Sketch the financial recovery of MI Projects.
15. (a) Discuss the impact of irrigation on land utilization pattern.

Or

- (b) Explain relationship between irrigation and human resources development.

**Part C**

(5 × 8 = 40)

Answer any **five** questions.

All questions carry equal marks.

16. Analyze the methods of Ground water exploitation.
17. Enumerate the impact of climate change in the water system of India.
18. Explain the source wise irrigation investment made during pro-independence era.
19. Enumerate the pros and cons of private investment experiences in irrigation.
20. Compare the drip irrigation with sprinkler irrigation.
21. Explore the recent development in the operation and management cost of irrigation in India.
22. Critically examine the reasons for poor financial recovery from irrigation sector.
23. Evaluate the impact of irrigation on rural poverty.



**R7586**

**Sub. Code**

**455501**

**M.A. DEGREE EXAMINATION, NOVEMBER 2022.**

**First Semester**

**Economics**

**COMPUTER APPLICATION FOR DATA ANALYSIS**

**(CBCS – 2022 onwards)**

Time : Three hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** questions.

1. Which of the following is not a major data analysis approaches?
  - (a) Data mining
  - (b) Predictive intelligence
  - (c) Business Intelligence
  - (d) Text analysis
  
2. When sending an email, the \_\_\_\_\_ line describes the contents of the message.
  - (a) To
  - (b) Subject
  - (c) Contents
  - (d) CC
  
3. Which feature is used to make selected sentence to all capital letters or all small letters?
  - (a) Change letter
  - (b) Change sentence
  - (c) Change word
  - (d) Change case

4. Select all the text in MS word document by  
(a) Ctrl+S (b) Ctrl+O  
(c) Ctrl+A (d) Ctrl+V
5. Which of the following is not the documents?  
(a) Inscription (b) Manuscript  
(c) Book (d) Periodical
6. Which of the following sources of data is not based on primary data collection?  
(a) Census of India  
(b) National sample survey  
(c) Statistical abstracts of India  
(d) National family health survey
7. Statistical calculations and preparation of tables and graphs can be done using.  
(a) Adobe Photoshop (b) Notepad  
(c) Power Point (d) Excel
8. The \_\_\_\_\_ feature of Ms excel quickly completes a series of data.  
(a) Auto complete (b) Fill handle  
(c) Auto fill (d) Sorting
9. Which regression techniques is used in SPSS?  
(a) Linear regression  
(b) Multiple regression  
(c) Logistic regression  
(d) All of these

10. For most analysis SPSS assumes that columns represent.

- (a) Variables
- (b) Case
- (c) Both (a) and (b)
- (d) None of these

**Part B**

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Explain the types and version of operating system.

Or

(b) How to attaching documents and images in E.mail?

12. (a) Interpret the footnotes and endnotes.

Or

(b) Describe the major features of MS word.

13. (a) Prepare a note on NSSO and MOSPI.

Or

(b) Write the procedure of tabulating data.

14. (a) Show the major statistical functions of excel.

Or

(b) How to calculate standard deviation in MS-Excel?

15. (a) What are the types of variables?

Or

(b) How to you create an SPSS data set?

**Part C**

(5 × 8 = 40)

Answer any **five** questions.

All questions carry equal marks.

16. Discuss the types and versions of operating system.
17. Examine the various shortcut keys in MS Word.
18. Elucidate the various paid and non-paid sources of secondary data and how to collect them.
19. How to find online research articles from various website?
20. Apprise the methods of creating graphs and chart in MS excel.
21. Analyze the types of descriptive statistics.
22. Describe the correlation analysis and how to compute in SPSS.
23. Explain how to transforming and recoding variables in SPSS.

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