



ଓଡ଼ିଶା ରାଜ୍ୟ ମୁକ୍ତ ବିଶ୍ୱବିଦ୍ୟାଳୟ, ସମ୍ବଲପୁର, ଓଡ଼ିଶା  
Odisha State Open University, Sambalpur, Odisha  
Established by an Act of Government of Odisha.

# ASSIGNMENTS

ASSIGNMENT CODE:

Course Code: MEC-1(Assignment-1 & 2)

Course Code: MEC-2 (Assignment-1 & 2)

Course Code: MEC-3 (Assignment-1)

SESSION: 2020-21

Master of Arts (Economics)

MAEC

Please read the instructions carefully before attempting assignment questions.

### INSTRUCTIONS

Dear Learner,

You are required to submit your assignment response within the stipulated time in order to become eligible to appear in the term-end examination. The assignments will be evaluated by the counsellors at your Study Centre. Please submit your assignment response to the Coordinator of your Study Center. For a 4 credit course, there is **one** Assignment and for 6 credit course, there would be **two** Assignments.

#### **Purpose of Assignments:**

1. Assignments are part of the continuous evaluation process in Open and Distance Learning (ODL) system. Due weightage is given to the marks/grades you obtain in assignments. This will help you for better performance in the term-end examination. Securing good marks in assignments, improves your overall performance.
2. Assignments are also a part of the teaching-learning process in the ODL system. Your assignment, after evaluation, will be returned back to you with specific and general comments by the evaluator. This will help you to know your strength as well as your weakness. Thus, it will establish two-way communication between the learner and evaluator.

#### **How to Write Assignments:**

Please read the instructions for writing the response of an assignment before you start writing your answer.

1. Write your name, programme code, the course title, enrolment no. and study centre name with code in the top sheet of the assignment answer booklet. the format is given below.

**PROGRAMME TITLE:** \_\_\_\_\_

**ENROLMENT No.:** \_\_\_\_\_ **NAME :** \_\_\_\_\_

**ADDRESS :** \_\_\_\_\_

**COURSE CODE :** \_\_\_\_\_ **COURSE TITLE :** \_\_\_\_\_

**ASSIGNMENT CODE:** \_\_\_\_\_ **STUDY CENTRE:** \_\_\_\_\_

**DATE:** \_\_\_\_\_ **SIGNATURE:** \_\_\_\_\_

2. Before attempting the assignments, please go through the course materials carefully, understand the same and write answers in your own language and style.
3. **Write the answers in your own handwriting.** Give sufficient margin in the left side of each page so that the evaluator will give comments on each paragraph/page.
4. Your handwriting should be neat and readable.

#### **Weightage for each Assignments:**

1. Each Theory Assignment will carry 25% weightage and term-end examination will carry 75% weightage.
2. Each assignment will be of 100 marks. But it will carry 25% weightage.
3. You have to score minimum pass mark i.e. 40% or P (Pass) Grade in 10-point scale for each assignment. In case you do not submit the assignment or get fail mark in the assignment you have to re-submit in the next year.

## SUBMISSION DATES FOR ASSIGNMENTS

### July- 2020 Session

Sl. No.	Course Code	Name of the Course	Last Date of Submission	Day (As per Calendar)
<b>Assignment-I</b>				
1	MEC-1	Micro Economic Analysis	21st March 2021	Sunday
2	MEC-2	Macro Economic Analysis		
3	MEC-3	Quantative Methods for Economic Analysis		
<b>Assignment-II</b>				
4	MEC-1	Micro Economic Analysis	21st March 2021	Sunday
5	MEC-2	Macro Economic Analysis		

# ASSIGNMENTS-1

## Micro Economic Analysis(MEC- 01)

**Full Mark – 100**

*(Answer all the questions, which is Compulsory)*

### GROUP- 'A'

**Q. No. 1 Answer within one word or one sentence each**

**Marks: 1 × 10= 10**

- a) What is price effect?
- b) What is compensated demand curve?
- c) Define risk neutral consumer.
- d) What is dynamic stability?
- e) What is partial input elasticity of output?
- f) Define Iso-quant.
- g) What is MRTS?
- h) What kind of demand curve does a firm under perfect competition face?
- i) What is reaction Function?
- j) What is conjectural variation?

### Group 'B'

**Q.No 2.Short answer-type Questions (Word Limit:100 Words) Marks:5 X 4 = 20**

- a) Distinguish between Ordinal Analysis and Cardinal Analysis.
- b) Explain weak axiom of revealed preference theory.
- c) How the firm under Bertand Model arrive at the equilibrium?
- d) Is there is a stable equilibrium price in Edgeworth Model?Why?

### Group 'C'

**Q.No 3. Medium answer-type Questions (Word Limit: 200 Words) Marks: 10 X 4 = 40**

- a) What are the assumptions of cardinal utility theory ?
- b) What is indifference curve? Explain the properties of Indifference curve .
- c) How Ordinary demand curve derived?
- d) What are the types of iso-quant?

### Group 'D'

**Q.No 4.Long answer-type Questions (Word Limit: 300Words) Marks: 15 X 2 = 30**

- a) Discuss Indirect utility function.
- b) Discuss Cobweb Model in detail.

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## ASSIGNMENTS - 2

### Micro Economic Analysis MEC-01

**Full Mark – 100**

*(Answer all the questions, which is Compulsory)*

#### GROUP- 'A'

**Q. No. 1 Very Short answer-type Questions (Word Limit: 50 Words)      Marks: 1 × 10 = 10**

- a) What do you mean by “Economic Welfare”?
- b) What constitutes the starting point of “Pigovian Welfare Analysis”?
- c) What is community Indifference curve?
- d) What is Scitovsky Set?
- e) What is contract Curve?
- f) What do you mean by “Ideal Output”?
- g) What are obstacles to free movement?
- h) Mention the two Fundamental Welfare Theorems.
- i) What is Weakly Pareto optimal (WPO)?
- j) Define Value judgement.

#### Group 'B'

**Q.No 2. Short answer-type Questions (Word Limit: 100 Words)      Marks:5 X 4 = 20**

- a) What are the efficiency conditions of Pareto Optimality?
- b) Distinguish between strongly pareto optimal and weakly Pareto optimal allocation.
- c) Differentiate between Kaldor and Hicks compentation Principle.
- d) Explain “Production Possibility Frontier” diagrammatically.

#### Group 'C'

**Q.No 3. Medium answer-type Questions (Word Limit: 200 Words)      Marks: 10 X 4 = 40**

- a) Discuss the Compensation Principle?
- b) “If a commodity is in excess supply in walrasian equilibrium, then its price must be zero in equilibrium.” Prove it.
- c) Write Short notes on:
  - (i) Equilibrium of a Game, (ii) Common Knowledge, (iii) Rationality.
- d) Define Nash Equilibrium with the help an example.

#### Group 'D'

**Q.No 4. Long answer-type Questions (Word Limit: 300Words)      Marks: 15 X 2 = 30**

- a) What is social Optimum? How it is determined?
- b) Discuss the Walrasian General Equilibrium.

# **ASSIGNMENTS-I**

## **Macro Economic Analysis (MEC-2)**

**Full Mark – 100**

*(Answer all the questions, which is Compulsory)*

### **GROUP- 'A'**

**Q. No. 1 Answer within one word or one sentence each**

**Marks: 1 × 10= 10**

- a) What is liquidity trap?
- b) What is Menu Cost?
- c) State the Inada Condition.
- d) What is Classical Convergence?
- e) What is natural rate of unemployment?
- f) What is wage inflation?
- g) What is transitory income?
- h) What is Consumption Smoothing?
- i) What is Steady State?
- j) What is Golden Rule?

### **GROUP 'B'**

**Q. No 2. Short answer-type Questions (Word Limit: 100 Words)**

**Marks: 5 X 4 = 20**

- a) Discuss the Circular flow of income with the three sectors.
- b) What are the various phases of Business Cycle?
- c) State the Modified Golden Rule.
- d) What is Infinite Horizon Dynamic Optimization Problem?

### **GROUP 'C'**

**Q. No 3. Medium answer-type Questions (Word Limit: 200 Words)**

**Marks: 10 X 4 = 40**

- a) Discuss the determination of equilibrium in the monetary sector of the economy.
- b) What do you understand by Steady State?
- c) Explain the Adaptive Expectation Hypothesis.
- d) Explain the Life cycle Hypothesis.

### **GROUP 'D'**

**Q. No 4. Long answer-type Questions (Word Limit: 300 Words)**

**Marks: 15 X 2 = 30**

- a) Represent the Solow's model as an economic growth theory.
- b) Discuss the concept of Ricardian Equivalence.

# **ASSIGNMENTS-II**

## **Macro Economics Theory (MEC-2)**

**Full Mark – 100**

*(Answer all the questions, which is Compulsory)*

### **GROUP- 'A'**

**Q. No. 1 Answer within one word or one sentence each**

**Marks: 1 × 10= 10**

- a) What do understand by Ponzi Financing?
- b) What is Upswing?
- c) Define Pareto Efficiency.
- d) What is Fiscal Policy?
- e) What is Contracting Model?
- f) What is equilibrium Unemployment?
- g) Define Search Theory
- h) Capital Account. Define
- i) What are real rigidities?
- j) What are NEER and PEER?

### **GROUP 'B'**

**Q. No 2. Short answer-type Questions (Word Limit: 100 Words)**

**Marks:5 X 4 = 20**

- a) Discuss the Political Business Cycle.
- b) Explain the Phillip's Curve.
- c) Differentiate between New Classical and New Keynesian Model.
- d) What are the factors affecting flexible exchange rate?

### **GROUP 'C'**

**Q. No 3. Medium answer -type Questions (Word Limit: 200 Words)**

**Marks: 10 X 4 = 40**

- a) Discuss Schumpeter's idea of Business Cycle.
- b) Explain the Classical view of Unemployment.
- c) What is Non accelerating inflation rate of unemployment rate?
- d) What do you mean by fiscal policy? When do you think that the expansionary fiscal policy is effective?

### **GROUP 'D'**

**Q. No 4. Long answer - type Questions (Word Limit: 300 Words)**

**Marks: 15 X 2 = 30**

- a) Discuss the new classical Business Cycle Theory.
- b) New Keynesian Theory of Unemployment. Explain

**ASSIGNMENT-01**  
**QUANTATIVE METHODS FOR ECONOMIC ANALYSIS**  
**(MEC-3)**

**Full Mark –100**

*(Answer all the questions, which is Compulsory)*

**GROUP- ‘A’**

**Q. No. 1 Answer within one word or one sentence each**

**Marks: 1 × 10= 10**

- a) What do you mean by a “continuous function”.?
- b) Define a Polynomial Function.
- c) What do you mean by a positive definite matrix?
- d) What is the necessary condition for unconstrained optimization?
- e) What do you mean by Set?
- f) What do you mean by Null Matrix?
- g) Evaluate  $\int (30-10q) dq$ .
- h) Define rank of a Matrix.
- i) Define “Technological Coefficient Matrix”.
- j) What do you mean by an Idempotent Matrix?

**Group ‘B’**

**Q. No 2. Answer the following questions:**

**Marks: 5 X 4 = 20**

- a) In line with Young’s theorem, demonstrate that cross partial derivatives [ $f_{12}$  &  $f_{21}$ ] of a function  $z=f(x,y)$  are equal. (Take a suitable example).
- b) What do you mean by point of inflection?
- c) Solve  $F(x)=\int(1+5x)^{0.5}dx$
- d) Explain any two applications of derivatives in Economics.

**Group ‘C’**

**Q. No 3. Answer the following:**

**Marks: 10 X 4 = 40**

- a) What do you mean by homogeneous functions? Find out the degree of homogeneity of the function  $f(x,y) = x^3 + y^3 + 4x^2y + 2xy^2$ .
- b) What is input-output Model? Explain the major limitations of Input-Output Model.
- c) Explain the “Cobweb Model”,
- d) Explain the major properties of continuous functions.



**Group 'D'**

**Q. No 4. Long answer-type Questions**

**Marks: 15 X 2 = 30**  
(Word Limit: 300 Words)

- a) What do you mean by definite integral? Highlight any one economic application of definite Integral.
- b) Explain the relationship between Game Theory and Linear Programming.

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