

Section A: Multiple Choice	Infinite Series: Sigma, Summation, Index shifting, Convergence and divergence, Arithmetic and geometric series	Use sigma notation to represent -3 + 6 -12 + 24 - 48
Section B: Labeling expressions	Summation Series	With reference to the sequence give below label the following : $S_n = a_1 + a_2 + a_3 + a_4 + \dots + a_n$ $= \sum_{i=1}^n a_i$ 1) $\sum_{n=1}^{\infty} a^{n-1}$ 2) $\sum_{n=1}^{\infty} \frac{1}{n}$
Section C: Vocabulary (Match the following, Answering questions from a passage given)	Infinite series	From the passage given please answer the following: What is a "summation of a series" ? What is "index"?
Section D: Solving problems	Problems to be solved on infinite series, convergence divergence and index shift	Determine if the following series is convergent or divergent. $\sum_{n=2}^{\infty} n^2$ If it converges, determine the value.

Teacher	Class	Subject
Mr. Racid	Year 12 A-D	Social Studies
Section Description	Topics Covered	Example
Section A Multiple Choice In this section the students will answer 40 Multiple Choice Questions.	The students need to study the following chapters: Chapter 1 Basic Economic Concepts Chapter 2 Demand and Supply Chapter 3 Changes in Demand and Supply They need to study	1. When the market is in equilibrium, A) the number of sellers will be equal to the number of buyers. B) the problem of scarcity will be solved. C) people's wants are fully satisfied. D) there is no tendency for price to change.

	<p>the following:</p> <ul style="list-style-type: none"> → The source of economic problems → The different types of economic systems → The Laws of Demand and Supply → Market equilibrium and Market disequilibrium → Change in quantity demanded and change in demand → Change in quantity supplied and change in supply → Factors affecting demand and supply 	
<p>Section B Vocabulary In this section the students will do a Fill in the blank type of test.</p>	<p>The students need to review all of the vocabulary learnt in semester 1</p>	<p>_____ 1. Refer to goods or services that should be used together to satisfy a want.</p> <p>Answer <u>Complementary goods</u> 1. Refer to goods or services that should be used together to satisfy a want.</p>
<p>Section C</p>	<p>The students need to</p>	

Structured Questions	study the following topics: <ul style="list-style-type: none">➔ Opportunity cost➔ Free goods and Economic goods➔ Factors affecting demand➔ Market equilibrium and Market disequilibrium➔ Change in quantity demanded and change in demand➔ Change in quantity supplied and change in supply	1. What are the advantages and disadvantages of a decentralized government for a ruler? (4 marks)
-----------------------------	--	--

<p>Section D: Illustration / Analysis</p> <p>In this section students are required to draw a supply-demand diagram of the following situations below. They will determine the effects of changes in both price and quantity.</p>	<p>The students need to study the topic: Effects of changes in Demand and / or Supply.</p>	<p>Situation: Demand↑ = Supply↑</p> <p>Supply-Demand Diagram:</p> <p>What is the effect on equilibrium price?</p> <hr/> <p>What is the effect on the equilibrium quantity?</p> <hr/>
---	--	---