

Question 3 Calculate GDP and GNP. You must show your work.

Item	\$ billion
Imports	289
Transfer payments	253
Saving	82
Exports	234
Income from employment	1160
Taxation	396
Consumer spending	745
Investment	229
Net factor income from abroad	-111
Government spending on goods and services	437

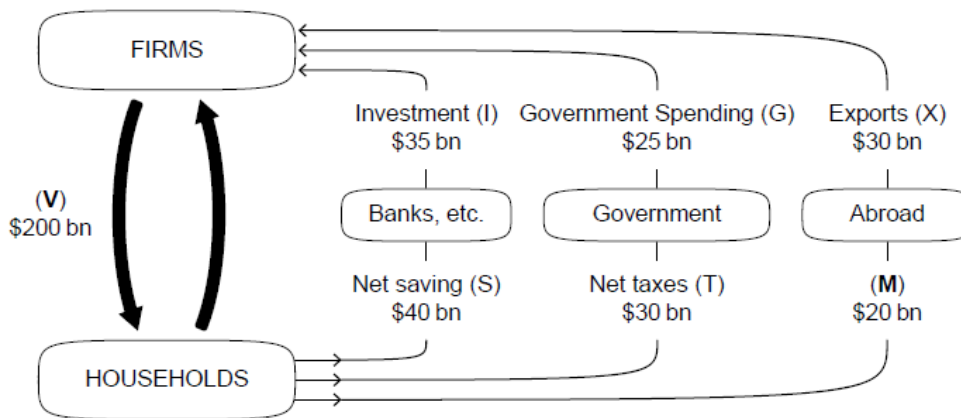
.....

.....

.....

.....

Question 4 Answer the following questions.



4.1 What do the flows (V) and (M) represent?

.....

4.2 Does the government run a budget deficit or surplus? By how much?

.....

4.3 Does the country run a trade deficit or surplus? By how much?

.....

4.4 Is the economy in equilibrium? Why or why not?

.....

Question 5 Why does CPI tend to be higher than GDP deflator?

Year	Consumer price index (CPI)	GDP deflator	GDP (\$ million)
2014	100	100	4465
2015	105.35	105.11	4814
2016	109.21	108.92	5026

.....

.....

.....

.....

Question 6 Answer the following questions.

	Price per unit in dollars (\$)	
	2013	2014
Pizza	12.50	12.90
Chocolate milk (litres)	1.15	1.25
Jazz concert	45.00	46.00
Total cost of the typical basket		

The typical basket of goods purchased by an average consumer consists of 10 pizzas, 100 litres of chocolate milk and 10 jazz concerts.

6.1 With 2013 as the base year, calculate CPI of 2013 and 2014.

.....

.....

.....

.....

6.2 Calculate the inflation rate of 2014.

.....

.....

Question 7 Fill in the blanks. You must show your work.

Year	Nominal GDP (\$ billions)	GDP deflator	Real GDP (\$ billions)	Annual real growth rate (%)	Population	Real GDP per capita (\$)
2014	308.12	98.9			13 273 644	
2015	321.99	100			13 340 012	
2016	332.65	102.2			13 473 412	

.....

.....

.....

.....

.....

.....

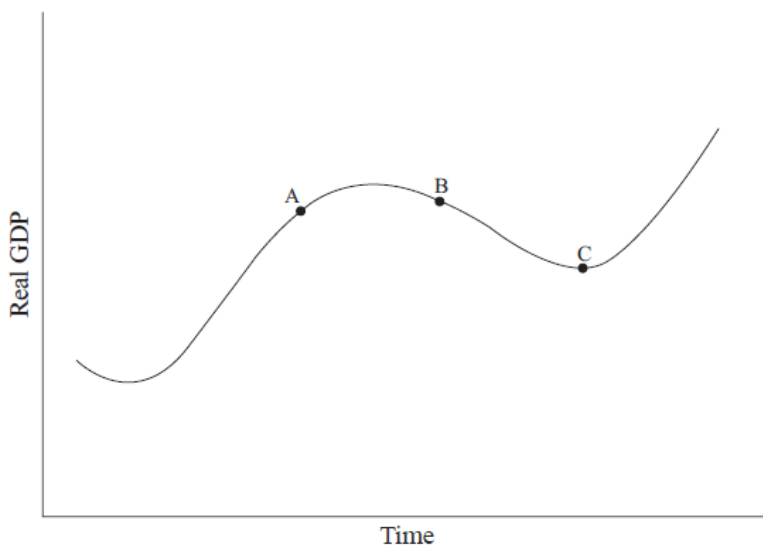
.....

.....

.....

.....

Question 8 Based on the data above, which position – A, B, or C – best describes the economy in 2016? Why?



.....

.....

.....

.....

.....

Question 9 Answer the following questions.

Country A is a closed economy with no government. The marginal propensity to save in the country is 0.25.

9.1 Calculate the value of the (investment) multiplier.

.....
.....

9.2 Due to the initial investment made by firms and the multiplier effect, the (equilibrium) output in the economy has increased by \$200m. Calculate the value of the initial investment.

.....
.....

Country B is an open economy with government.

9.3 Do you think the multiplier effect in Country B will be larger than that of Country A? Why or why not?

.....
.....
.....
.....