Student ID.................................

EE212 (2/2018 Section 046401): Quiz 1

(100 marks) Short answer.

1. (10 marks) Convert quarterly data in to yearly data. Fill the missing number in the table.

	First Quarter 2018	Second Quarter 2018	Third Quarter 2018	Fourth Quarter 2018	Year 2018
Investment in T-land	2	1	3	4	10
Number of population in T-land	51	48	52	49	49

2. (~~24~~ 20 marks) Fill the missing number in the table and calculate 20:20 ratio for 2017 and 2018. Comment on the change in the country's equality.

Percentile of income among population	Share of income earned by each group of percentile in 2017	Share of income earned by each group of percentile in 2018
1-20 (20% the poorest)	10	10
21-40	14	17
41-60	20	20
61-80	26	22
81-100(20% the richest)	30	31

20:20 ratio in 2017 is ......3...... and 20:20 ratio in 2018 is ......3.1......

From 2017 to 2018, the economy become .... (more or less) equal.

3. (15 marks) Please use the information given below to calculate real wage.

	2017	2018
Nominal Wage (Baht)	1,210	1,120
Price Index	110	100

- Real wage in 2017 is ......1100......Baht and Real wage in 2018 is ......1120.......Baht
- From 2017 to 2018, workers can use their wage income to buy .... (more or less) goods.

4. (7 marks) Define whether these following items are included in calculating GDP or not. Write "Y" for included and "N" for not included.

..Y.. 1. Final goods and services produced in the country
..N.. 2. Purchase of newly issued stocks by CPN group
..Y.. 3. Construction cost of newly built houses
..N.. 4. Trading value of old houses
..N.. 5. Trading value of second-hand goods
..Y.. 6. Production of food served at a restaurant
..N.. 7. A bank gives a loan to a company

5. (20 marks) Calculate value added of each firm and show how to calculate GDP of this economy.

	Firm R	Firm J	Firm F	~~All firms~~ Firm G
Cost of inputs purchased from other firms	$0	$400	$100	$500
Value of goods produced by the firm	$1,000	$2,400	$600	$4,000
Value Added of each firm	1000 - 0 = 1000	2400-400 = 2000	600-100 = 500	

free mark

- GDP of this economy is equal to .... (free mark)

1000+2000+500+3500

6. (28 marks)Define whether these variables; Consumption (C), Investment Expenditure (I), Govenment Expenditure (G) , Export (X) , Import (M), Tax (T), Saving (S), is a leakage, an injection or neither leakage or injection.

(a) Leakage ; ......T, S, M......
(b) Injection ; ......I, G, X......
(c) Neither leakage ot injection ; ......C......

Student ID.................................

EE212 (2/2018 Section 046401): Quiz 1

(100 marks) Short answer.

1. (10 marks) Convert quarterly data in to yearly data. Fill the missing number in the table.

	First Quarter 2018	Second Quarter 2018	Third Quarter 2018	Fourth Quarter 2018	Year 2018
Number of population in T-land	11	10	9	10	10
Investment in T-land	22	20	23	25	90

2. (20) Fill the missing number in the table and calculate 20:20 ratio for 2017 and 2018. Comment on the change in the country's equality.

Percentile of income among population	Share of income earned by each group of percentile in 2017	Share of income earned by each group of percentile in 2018
1-20 (20% the poorest)	10	10
21-40	17	14
41-60	20	16
61-80	21	20
81-100(20% the richest)	32	40

20:20 ratio in 2017 is ...3.2......... and 20:20 ratio in 2018 is .....4.............

From 2017 to 2018, the economy become .... (more or less) equal.

3. (15 marks) Please use the information given below to calculate real wage.

	2017	2018
Nominal Wage (Baht)	1,300	1,210
Price Index	130	110

- Real wage in 2017 is .....1000..........Baht and Real wage in 2018 is ....1100.......Baht
- From 2017 to 2018, workers can use their wage income to buy .... (more or less) goods.

4. (7 marks) Define whether these following items are included in calculating GDP or not. Write "Y" for included and "N" for not included.

..N... 1. Trading value of old houses
..Y... 2. Construction cost of newly built houses
..N... 3. Purchase of newly issued stocks by CPN group
..N. 4. A bank gives a loan to a company
..N... 5. Trading value of second-hand goods
..Y... 6. Production of food served at a restaurant
..Y... 7. Final goods and services produced in the country

5. (20 marks) Calculate value added of each firm and show how to calculate GDP of this economy.

typo
firm G

	Firm R	Firm J	Firm F	All firms
Cost of inputs purchased from other firms	$0	$500	$400	$500
Value of goods produced by the firm	$2,000	$3,000	$1,400	$6,000
Value Added of each firm	2000 - 0 = 2000	3000 - 500 = 2500	1400 - 400 = 1000	"free mark"

- GDP of this economy is equal to ....[free mark]....................

2000 + 2500 + 1000 + 5,500

6. (28 marks)Define whether these variables; Consumption (C), Investment Expenditure (I), Govenment Expenditure (G), Export (X), Import (M), Tax (T), Saving (S), is a leakage, an injection or neither leakage or injection.

(a) Neither leakage ot injection ; .....C...
(b) Injection ; .....I, G, X...
(c) Leakage ; .....S, T, M...

Student ID.................................

EE212 (2/2018 Section 046401): Quiz 1

(100 marks) Short answer.

1. (10 marks) Convert quarterly data in to yearly data. Fill the missing number in the table.

	First Quarter 2018	Second Quarter 2018	Third Quarter 2018	Fourth Quarter 2018	Year 2018
Investment in T-land	12	11	13	14	50
Number of population in T-land	152	153	155	150	150

2. (20) Fill the missing number in the table and calculate 20:20 ratio for 2017 and 2018. Comment on the change in the country's equality.

Percentile of income among population	Share of income earned by each group of percentile in 2017	Share of income earned by each group of percentile in 2018
1-20 (20% the poorest)	10	10
21-40	20	19
41-60	21	22
61-80	22	24
81-100(20% the richest)	27	25

20:20 ratio in 2017 is ...2.7........ and 20:20 ratio in 2018 is .....2.5.......

From 2017 to 2018, the economy become .... (more or less) equal.

3. (15 marks) Please use the information given below to calculate real wage.

	2017	2018
Nominal Wage (Baht)	1,250	1,320
Price Index	100	110

- Real wage in 2017 is ....1250..............Baht and Real wage in 2018 is ...1200.........Baht
- From 2017 to 2018, workers can use their wage income to buy .... (more or less) goods.

4. (7 marks) Define whether these following items are included in calculating GDP or not. Write "Y" for included and "N" for not included.

...N... 1. Trading value of second-hand goods
...N... 2. A bank gives a loan to a company
...Y... 3. Final goods and services produced in the country
...Y... 4. Construction cost of newly built houses
...N... 5. Trading value of old houses
...Y... 6. Production of food served at a restaurant
...N... 7. Purchase of newly issued stocks by CPN group

5. (20 marks) Calculate value added of each firm and show how to calculate GDP of this economy.

(TYPO)

	Firm R	Firm J	Firm F	~~All firms~~ Firm G
Cost of inputs purchased from other firms	$0	$4,000	$10,000	$10,000
Value of goods produced by the firm	$10,000	$34,000	$30,000	$40,000
Value Added of each firm	10,000 − 0 = 10,000	34,000 − 4,000 = 30,000	30,000 − 10,000 = 20,000	[free mark]

- GDP of this economy is equal to ....[free mark] = sum of all firm's value added
  10,000 + 30,000 + 20,000 + 30,000

6. (28 marks)Define whether these variables; Consumption (C), Investment Expenditure (I), Govenment Expenditure (G) , Export (X) , Import (M), Tax (T), Saving (S), is a leakage, an injection or neither leakage or injection.

(a) Injection ; ....I, G, X....................................
(b) Leakage ; ....S, T, M....................................
(c) Neither leakage ot injection ; ....C....................................