

77

Student ID..... 6104690476

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.

5

	First Quarter 2018	Second Quarter 2018	Third Quarter 2018	Fourth Quarter 2018	Year 2018
Investment in T-land	2	1	3	4	2+1+3+4 = 10 ✓
Number of population in T-land	51	48	52	49	51+48+52+49 = 100 ✓

2. (24) 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. x 49

15

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

51
48
52
49
100

20:20 ratio in 2017 is $\frac{30}{10} = 3$ ✓ and 20:20 ratio in 2018 is $\frac{31}{10} = 3.1$ ✓
From 2017 to 2018, the economy become more (more or less) equal. x less

Real wage = $\frac{\text{Nominal Price}}{\text{Price Index}} \times 100$

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

10

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

- Real wage in 2017 is $\frac{1210}{110} \times 100 = 1100$ ✓ Baht and Real wage in 2018 is $\frac{1120}{100} \times 100 = 1120$ ✓ Baht
- From 2017 to 2018, workers can use their wage income to buy less (more or less) goods. x more

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

7

- 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.

20

	Firm R	Firm J	Firm F	All firms
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 ✓	2,000 ✓	500 ✓	3,500 ✓

• GDP of this economy is equal to 3,500 ✓

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

20

- (a) Leakage ; S, T, M, X
- (b) Injection ; I, G, M, X
- (c) Neither leakage or injection ; C ✓

43

Student ID: 6104641193

EE212 (2/2018 Section 046401): Quiz 1

(100 marks) Short answer.

2
51
48
52
49
200

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 X10
Number of population in T-land	51	48	52	49	200 X49

2. (24) 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 $\frac{20}{10} = 2$ and 20:20 ratio in 2018 is $\frac{31}{10} = 3.1$
 From 2017 to 2018, the economy become less (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 $\frac{1210}{110} = 11$ Baht and Real wage in 2018 is $\frac{1120}{100} = 11.2$ Baht
- From 2017 to 2018, workers can use their wage income to buy more (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.

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

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
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	1,000 ✓	2,000 ✓	500 ✓	3,500 ✓

GDP of this economy is equal to $3,500$

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

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

96

Student ID: 6104641128

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.

10

	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) 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.

20

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 $\frac{30}{10} = 3$ and 20:20 ratio in 2018 is $\frac{31}{10} = 3.1$

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

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

15

Real wage = $\frac{\text{Nominal Wage}}{\text{Price Index}} \times 100$

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

- Real wage in 2017 is $\frac{1210}{110} \times 100 = 1100$ Baht and Real wage in 2018 is $\frac{1120}{100} \times 100 = 1120$ Baht
- From 2017 to 2018, workers can use their wage income to buy more (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.

7

- 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
- Y 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.

20

	Firm R	Firm J	Firm F	All firms
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	\$1,000	\$2,000	\$500	\$3,500

- GDP of this economy is equal to \$3,500

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

24

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

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Student ID.....0104011046.....

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	200 ✓

2. (24) 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 $\frac{30}{10} = 3$ ✓ and 20:20 ratio in 2018 is $\frac{31}{10} = 3.1$ ✓
 From 2017 to 2018, the economy become $\frac{31}{30} = 1.033$ ✓ (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 $\frac{1100}{110} = 10$ ✓ Baht and Real wage in 2018 is $\frac{1120}{100} = 11.2$ ✓ Baht
- From 2017 to 2018, workers can use their wage income to buy $\frac{11.2}{10} = 1.12$ ✓ (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.

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

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
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 ✓	2000 ✓	500 ✓	3500 ✓

GDP of this economy is equal to 3500 ✓

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

- (a) Leakage ; I, G, X ✓
- (b) Injection ; C, M, T ✓
- (c) Neither leakage or injection ; S, C ✓

26

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	200

Handwritten: 2+1+3+4 = 10

2. (24) 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

Handwritten: 30/10 = 3, 31/10 = 3.1

20:20 ratio in 2017 is $\frac{30}{10} = 3.0$ and 20:20 ratio in 2018 is $\frac{31}{10} = 3.1$. From 2017 to 2018, the economy become *less* (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 $\frac{1210}{110} = 11.0$ Baht and Real wage in 2018 is $\frac{1120}{100} = 11.2$ Baht. From 2017 to 2018, workers can use their wage income to buy *more* 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.

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

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
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	2000	500	

GDP of this economy is equal to $1000 + 2000 + 500 = 3500$

6. (28 marks) Define whether these variables; Consumption (C), Investment Expenditure (I), Government 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 ; *Saving (S), Tax (T), Import (M), I, G, X*
- (c) Neither leakage or injection ; *Investment Expenditure (I), Government Expenditure (G)*

69

Student ID... 6104640013

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.

5

	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	200 X 49

2. (24) 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.

10

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 $1:3 \times 3$ and 20:20 ratio in 2018 is $1:3.1 \times 3.1$

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

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

10

	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 1020 X Baht 1120
- From 2017 to 2018, workers can use their wage income to buy more (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.

4

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

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

20

	Firm R	Firm J	Firm F	All firms
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 ✓	2000 ✓	500 ✓	3500 ✓

GDP of this economy is equal to 1500 ✓

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

20

- (a) Leakage ; S M T
- (b) Injection ; X I X, G
- (c) Neither leakage or injection ; X d

99

Student ID.....6104640229.....

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.

10

	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) 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.

20

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 $\frac{30}{10} = 3$ ✓ and 20:20 ratio in 2018 is $\frac{31}{10} = 3.1$ ✓

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

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

15

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

- Real wage in 2017 is $\frac{1210}{110} = 11$ ✓ Baht and Real wage in 2018 is $\frac{1120}{100} = 11.2$ ✓ Baht
- From 2017 to 2018, workers can use their wage income to buymore ✓ (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.

- 6
- Y 1. Final goods and services produced in the country
 - N 2. Purchase of newly issued stocks by CPN group
 - X 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.

20

	Firm R	Firm J	Firm F	All firms
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	\$1,000 ✓	\$2,000 ✓	\$500 ✓	\$3,500 ✓

GDP of this economy is equal to $1000 + 2000 + 3500 + 500 = 7000$ ✓

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

- 28
- (a) Leakage ; M, T, S ✓
 - (b) Injection ; I, G, X ✓
 - (c) Neither leakage or injection ; C ✓

61

Student ID. 0104640500

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.

10

	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) 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.

10

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 $32:10 = 3.2$ and 20:20 ratio in 2018 is $3:1$.

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

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

0

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

- Real wage in 2017 is $\frac{1210}{110} = 11$ Baht and Real wage in 2018 is $\frac{1120}{100} = 11.2$ Baht
- From 2017 to 2018, workers can use their wage income to buy *more* (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.

5

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

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

20

	Firm R	Firm J	Firm F	All firms
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 1000 ✓	2000 2000 ✓	500 500 ✓	2500 3500 ✓

GDP of this economy is equal to 3500

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

16

- (a) Leakage ; *S, M, T, G*
- (b) Injection ; *C, I, X, S*
- (c) Neither leakage or injection ; *T, G*

28

EE212 (2/2018 Section 046401): Quiz 1

(100 marks) Short answer.

5

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	200

2. (24) 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 $\frac{1}{2}$	10 $\frac{1}{2}$
21-40	14	17
41-60	20	20
61-80	26 $\frac{13}{10}$	22
81-100(20% the richest)	30	31 $\frac{1}{2}$

20:20 ratio in 2017 is $1:14$ 3 and 20:20 ratio in 2018 is $1:31$ 3.1

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

0

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~~ $\frac{1210}{110} = 11$ Baht and Real wage in 2018 is $\frac{1120}{100} = 11.2$ Baht
- From 2017 to 2018, workers can use their wage income to buy *more* (more or less) goods.

5

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
- Y... 7. A bank gives a loan to a company

6

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
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 ✓	2000	500	— ✓

- GDP of this economy is equal to $1000 + 2000 + 500 = 3500$

12

6. (28 marks) Define whether these variables; Consumption (C), Investment Expenditure (I), Government 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 or injection ; C

0

63

EE212 (2/2018 Section 046401): Quiz 1

(100 marks) Short answer.

5

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	200 ✓

2. (24) 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 $0.3 \times 10 = 3$ and 20:20 ratio in 2018 is $0.31 \times 10 = 3.1$
 From 2017 to 2018, the economy become Less (more or less) equal.

10

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 $1,210 / 110 = 11$ Baht and Real wage in 2018 is $1,120 / 100 = 11.2$ Baht
- From 2017 to 2018, workers can use their wage income to buy more (more or less) goods.

10

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
- N... 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

6

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
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	1,000 ✓	960,000 ✓	600,000 ✓	2,000,000 ✓

- GDP of this economy is equal to $1,000 + 960,000 + 600,000 = 2,000,000$

12

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

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

20

74

EE212 (2/2018 Section 046401): Quiz 1

(100 marks) Short answer.

10

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	200

2. (24) 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.

20

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 3.0 and 20:20 ratio in 2018 is 3.1

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

0

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 (more or less) goods.

4

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
- N 3. Construction cost of newly built houses
- X 4. Trading value of old houses
- N 5. Trading value of second-hand goods
- Y 6. Production of food served at a restaurant
- X 7. A bank gives a loan to a company

12

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
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	2000	500	4000

GDP of this economy is equal to 2000 + 500 + 4000 = 6500

28

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

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

72

Student ID: 6104640203

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	610

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 $27:10 = 2.7$ and 20:20 ratio in 2018 is $25:10 = 2.5$.
From 2017 to 2018, the economy become more (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 less (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.

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

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
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	\$38,000	\$40,000	\$50,000

GDP of this economy is equal to $50,000 + 30,000 + 20,000 = 100,000$

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

- (a) Injection ; Investment Expenditure (I), Government Expenditure (G), Export (X)
- (b) Leakage ; Import (M), Tax (T), Saving (S)
- (c) Neither leakage or injection ; Consumption (C)

58

Student ID: 610461342

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	40
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	30

20:20 ratio in 2017 is $\frac{32}{10} = 3.2$ and 20:20 ratio in 2018 is $\frac{30}{10} = 3$.
 From 2017 to 2018, the economy become more (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 $\frac{1300}{130} = 10$ Baht and Real wage in 2018 is $\frac{1210}{110} = 11$ Baht
- From 2017 to 2018, workers can use their wage income to buy more (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.

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

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
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	2,000	2,500	1,000	6,000

GDP of this economy is equal to 12,000

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

- (a) Neither leakage or injection ; Consumption (C)
- (b) Injection ; Investment expenditure, Government expenditure (G), Export (X)
- (c) Leakage ; Import (M), Tax (T), Saving (S)

73

Chanachon Hongsakul

Student ID: 610464 094 8

EE212 (2/2018 Section 046401): Quiz 1

(100 marks) Short answer.

5

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	40 X10
Investment in T-land	22	20 12	23 65	25 90	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.

10

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 $\frac{32}{10} = 3.2$ and 20:20 ratio in 2018 is $\frac{40}{10} = 4$.
 From 2017 to 2018, the economy become less (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 1,100 ✓ Baht
- From 2017 to 2018, workers can use their wage income to buy more (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
- Y 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.

	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	\$ 2,000 ✓	\$ 2,500 ✓	\$ 1,000 ✓	\$ 5,500 ✓

- GDP of this economy is equal to ~~\$11,000~~ ✓

20

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

- (a) Neither leakage or injection ; C, I
- (b) Injection ; I, G, M, X
- (c) Leakage ; S, O, T, M

16

61

Student ID...6104690518.....

EE212 (2/2018 Section 046401): Quiz 1

(100 marks) Short answer.

5

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	40 X 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.

20

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 $\frac{32}{10} = 3.2$ ✓ and 20:20 ratio in 2018 is $\frac{40}{20} = 2$ ✓
 From 2017 to 2018, the economy become less (more or less) equal.

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

10

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

Real wage in 2017 is $\frac{\text{Nominal wage}}{\text{price index}} \times 100 = \frac{1300}{130} \times 100 = 1000$ Baht
 Real wage in 2018 is $\frac{1210}{110} \times 100 = 1100$ Baht
 From 2017 to 2018, workers can use their wage income to buy more (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.

6

- 1. Trading value of old houses
- 2. Construction cost of newly built houses
- 3. Purchase of newly issued stocks by CPN group
- 4. A bank gives a loan to a company
- 5. Trading value of second-hand goods
- 6. Production of food served at a restaurant
- 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.

20

	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 ✓	2500 ✓	1000 ✓	5500 ✓

GDP of this economy is equal to 5500 ✓

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

0

- (a) Neither leakage or injection ; C
- (b) Injection ; I G X
- (c) Leakage ; S T M

61

Student ID..... 6104641045

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.

5

	First Quarter 2018	Second Quarter 2018	Third Quarter 2018	Fourth Quarter 2018	Year 2018
Number of population in T-land	11	10	9	10	40
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.

15

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 $\frac{32}{10} = 3.2$ and 20:20 ratio in 2018 is $\frac{40}{10} = 4$
 From 2017 to 2018, the economy become less (more or less) equal.

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

15

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

- Real wage in 2017 is 1,000 Baht and Real wage in 2018 is 1,100 Baht
- From 2017 to 2018, workers can use their wage income to buy more (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.

6

- 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.

20

	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	2,000	2,500	1,000	5,500

GDP of this economy is equal to 5,500

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

0

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

38

Student ID.....6904640633

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	$11+10+9+10 = 40$
Investment in T-land	22	20	23	25	$22+23+20+25 = 90$

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	25

20:20 ratio in 2017 is $\frac{32}{10} = 3.2$ and 20:20 ratio in 2018 is $\frac{25}{10} = 2.5$.
 From 2017 to 2018, the economy become 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 $\frac{1300}{130} = 10$ Baht and Real wage in 2018 is $\frac{1210}{110} = 11$ Baht.
- From 2017 to 2018, workers can use their wage income to buy more (more or less) goods.

Real Wage = $\frac{\text{Nominal Wage}}{PI} \times 100$

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

- 1. Trading value of old houses Y
- 2. Construction cost of newly built houses Y
- 3. Purchase of newly issued stocks by CPN group Y
- 4. A bank gives a loan to a company Y
- 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 Y

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
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	$2000+0=2000$	$3000+500=3500$	$1400+400=1800$	$2000+3500+1800=7300$

GDP of this economy is equal to 7300

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

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

49

Student ID 6104640732

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	40
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	30

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

From 2017 to 2018, the economy become more (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 10 Baht and Real wage in 2018 is 110 Baht
- From 2017 to 2018, workers can use their wage income to buy more (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.

- 1. Trading value of old houses (N)
- 2. Construction cost of newly built houses (Y)
- 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 (N)
- 6. Production of food served at a restaurant (Y)
- 7. Final goods and services produced in the country (Y)

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
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	\$2,000	\$2,500	\$1,000	\$5,500

GDP of this economy is equal to 12,500

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

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

85

Student ID...6104640807

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.

5

	First Quarter 2018	Second Quarter 2018	Third Quarter 2018	Fourth Quarter 2018	Year 2018
Number of population in T-land	11	10	9	10	40 x10
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.

20

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 ✓

2017 ; $\frac{32}{10} = 3.2$

2018 ; $\frac{40}{10} = 4.0$

20:20 ratio in 2017 is $3.2 : 1.0 = 3.2$ and 20:20 ratio in 2018 is $4.0 : 1.0 = 4$

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

2017 ; $\frac{1000}{130} \times 100$

2018 ; $\frac{1100}{110} \times 100$

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

15

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

• Real wage in 2017 is $\frac{1000}{130}$ Baht and Real wage in 2018 is $\frac{1100}{110}$ Baht

• From 2017 to 2018, workers can use their wage income to buy more (more or less) goods. (depend on price of 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.

5

- N 1. Trading value of old houses
- N 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
- N 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.

20

	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	\$2,000 ✓	\$2,500 ✓	\$1,000 ✓	\$5,500 ✓

• GDP of this economy is equal to $\$5,500$ ✓

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

20

- (a) Neither leakage or injection ; C ✓
- (b) Injection ; G, X, O, I
- (c) Leakage ; T, M, S, T

78

Student ID 6104640179

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	40
Investment in T-land	22	20	23	25	90

Handwritten: 11+10+9+10 = 40

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 $32:10 = 3.2$ and 20:20 ratio in 2018 is $40:10 = 4$
 From 2017 to 2018, the economy become *less* (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 $\frac{1300}{130} = 10$ Baht and Real wage in 2018 is $\frac{1210}{110} = 11$ Baht
- From 2017 to 2018, workers can use their wage income to buy *more* (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.

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

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
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	$= \$2000$	$= \$2500$	$= \$1000$	$= \$5500$

GDP of this economy is equal to $2000 + 2500 + 1000 = \$5500$

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

- (a) Neither leakage or injection ; *C*
- (b) Injection ; *G, I, X*
- (c) Leakage ; *S, T, M*

50

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	40
Investment in T-land	22	20	23	25	110

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 $\frac{32}{10} = 3.2$ and 20:20 ratio in 2018 is $\frac{40}{10} = 4$
 From 2017 to 2018, the economy become less (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 (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.

- 1. Trading value of old houses (N)
- 2. Construction cost of newly built houses (Y)
- 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 (N)
- 6. Production of food served at a restaurant (Y)
- 7. Final goods and services produced in the country (Y)

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
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	2500	1000	4500

- GDP of this economy is equal to 49000

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

- (a) Neither leakage or injection : S, I, G
- (b) Injection : C, X, T
- (c) Leakage : M, S, T

52

Student ID.....6104640161

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.

5

	First Quarter 2018	Second Quarter 2018	Third Quarter 2018	Fourth Quarter 2018	Year 2018
Number of population in T-land	11	10	9	10	40
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.

10

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 $\frac{10:32}{1:3.2}$ and 20:20 ratio in 2018 is $\frac{10:40}{1:4}$. $\frac{4}{3.2} = 1.25$
 From 2017 to 2018, the economy become less (more or less) equal.

Real = Normal / Price index

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

0

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

- Real wage in 2017 is $\frac{1300}{130} = 10$ Baht and Real wage in 2018 is $\frac{1210}{110} = 11$ Baht
- From 2017 to 2018, workers can use their wage income to buy more (more or less) goods.

1000

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

5

- Y 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
- Y 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.

20

	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	\$2500	\$1000	\$5500

GDP of this economy is equal to $2000 + 2500 + 1000 = 5500$

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

12

- (a) Neither leakage or injection: T, M, S
- (b) Injection: I, G, X
- (c) Leakage: C

S, T, M

38

Student ID... 6104641375

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.

5

	First Quarter 2018	Second Quarter 2018	Third Quarter 2018	Fourth Quarter 2018	Year 2018
Number of population in T-land	11	10	9	10	40
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.

0

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	20

20:20 ratio in 2017 is $\frac{32}{10} = 3.2$ and 20:20 ratio in 2018 is $\frac{20}{10} = 2$

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

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

0

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

$\frac{1300}{130} = 10$
 $\frac{1210}{110} = 11$

Real wage in 2017 is 1300 Baht and Real wage in 2018 is 1210 Baht

From 2017 to 2018, workers can use their wage income to buy *more* (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.

5

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

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

8

	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	2500	1000	— ✓

GDP of this economy is equal to — ✓

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

20

- (a) Neither leakage or injection ; *C*
- (b) Injection ; *G, I, C, X*
- (c) Leakage ; *S, M, T*

99

Student ID: 6104640559

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.

10

	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.

20

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)	25	25

20:20 ratio in 2017 is $\frac{27}{10} = 2.7$ and 20:20 ratio in 2018 is $\frac{25}{10} = 2.5$
 From 2017 to 2018, the economy become more (more or less) equal.

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

12
1320
115

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

- Real wage in 2017 is 1,250 Baht and Real wage in 2018 is 1,200 Baht
- From 2017 to 2018, workers can use their wage income to buy less (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.

6

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

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

20

	Firm R	Firm J	Firm F	All firms
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	30,000	20,000	60,000

GDP of this economy is equal to 60,000

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

28

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

90

Student ID... 6104641318

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	12+11+13+14 ✓
Number of population in T-land	152	153	155	150	152+153+155+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 $\frac{27}{10}$ and 20:20 ratio in 2018 is $\frac{25}{10}$

From 2017 to 2018, the economy become **more** (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 $\frac{1250}{100} = 12.5$ Baht and Real wage in 2018 is $\frac{1320}{110} = 12$ Baht ✓
- From 2017 to 2018, workers can use their wage income to buy **more** (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.

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

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
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 ✓	30,000 ✓	20,000 ✓	30,000 ✓

GDP of this economy is equal to $10,000 + 30,000 + 20,000 + 30,000 = 90,000$ ✓

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

- (a) Injection ; **X I G** ✓
 (b) Leakage ; **S T M** ✓
 (c) Neither leakage or injection ; **C** ✓

64

Student ID 610 464 1029

EE212 (2/2018 Section 046401): Quiz 1

Punyand Boonprasitkul

(100 marks) Short answer.

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

5

	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	610

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.

10

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 1:27 and 20:20 ratio in 2018 is 10:25 = 2:5

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

Real = $\frac{\text{Nominal}}{\text{Price Index}} \times 100$

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

10

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

$Q = 12.5$ $Q = 12$

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 less (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.

7

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

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

20

	Firm R	Firm J	Firm F	All firms
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	30,000	20,000	30,000

GDP of this economy is equal to 10,000 + 30,000 + 20,000 + 30,000 = 90,000 \$

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

12

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

92

Student ID.....6104640427.....

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.

10

	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.

20

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 is2.7..... and 20:20 ratio in 2018 is2.5.....

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

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

15

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

• Real wage in 2017 is1250.....Baht and Real wage in 2018 is1200.....Baht

• From 2017 to 2018, workers can use their wage income to buyless..... (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.

7

- ...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.

20

	Firm R	Firm J	Firm F	All firms
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 ✓	\$ 30,000 ✓	\$ 20,000 ✓	\$ 30,000 ✓

• GDP of this economy is equal to\$ 40,000.....

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

20

- (a) Injection ; Export (E), Tax (T), Government Expenditure (G)
- (b) Leakage ; Import (M), Saving (S), Investment Expenditure (I)
- (c) Neither leakage or injection ; Consumption (C)

52

Student ID...6104641268...

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)	23	25

20:20 ratio in 2017 is $\frac{23}{10} = 2.3$ and 20:20 ratio in 2018 is $\frac{25}{10} = 2.5$
 From 2017 to 2018, the economy become *more* (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 $\frac{1250}{100} = 12.50$ Baht and Real wage in 2018 is $\frac{1320}{110} = 12.00$ Baht
- From 2017 to 2018, workers can use their wage income to buy *less* (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.

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

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
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	10000	30000	20000	-

GDP of this economy is equal to $10000 + 30000 + 20000 = 60000$

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

- (a) Injection ; *Consumption (C), Investment Expenditure (I), Export (X), Government Expenditure (G)*
- (b) Leakage ; *Saving (S), Import (M), Tax (T)*
- (c) Neither leakage or injection ; *-*

43

Student ID: 6104640211

EE212 (2/2018 Section 046401): Quiz 1

(100 marks) Short answer.

0

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.

20

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

52
21
73
9
109
73
27

20:20 ratio in 2017 is $\frac{27}{10} = 2.7$ and 20:20 ratio in 2018 is $\frac{25}{10} = 2.5$.
From 2017 to 2018, the economy become more (more or less) equal.

5

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 less (more or less) goods.

6

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

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

12

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
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	10000 ✓	30000 X	40000 X	50000 ✓

GDP of this economy is equal to 50000 ✓

0

6. (28 marks) Define whether these variables; Consumption (C), Investment Expenditure (I), Government 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 or injection ; d

41

Student ID.....6104640401

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	10 X
Number of population in T-land	152	153	155	150	154 X

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)	24 27	25

20:20 ratio in 2017 is $\frac{10}{24} = 27$ and 20:20 ratio in 2018 is $\frac{10}{25} = 25$
 From 2017 to 2018, the economy become **less** (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

$real = \frac{nominal}{P_I} \times 100$

- Real wage in 2017 is $\frac{1250}{100} \times 100 = 1250$ Baht and Real wage in 2018 is $\frac{1320}{110} \times 100 = 1200$ Baht
- From 2017 to 2018, workers can use their wage income to buy **less** (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.

- 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 **Y**
- 5. Trading value of old houses **N**
- 6. Production of food served at a restaurant **Y**
- 7. Purchase of newly issued stocks by CPN group **N**

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
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 Y	30,000 Y	20,000 Y	30,000 Y

GDP of this economy is equal to $10,000 + 30,000 + 20,000 + 30,000 = 90,000$

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

- (a) Injection ; **X, M, C, T, I, G**
- (b) Leakage ; **S, T, M**
- (c) Neither leakage or injection ; **S, M, S, C**

35

Student ID: 610440088

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	12.5
Number of population in T-land	152	153	155	150	152.5

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	30	19
41-60	21	22
61-80	43	24
81-100(20% the richest)	27	25

20:20 ratio in 2017 is $10:10 = 1$ and 20:20 ratio in 2018 is $10:25 = 0.4$
 From 2017 to 2018, the economy become more (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 $1250/100 = 12.5$ Baht and Real wage in 2018 is $1320/110 = 12$ Baht
- From 2017 to 2018, workers can use their wage income to buy less (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.

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

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
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	0	30,000	20,000	50,000

GDP of this economy is equal to $50,000$

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

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

93

Student ID... 6104640237...

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.

10

	First Quarter 2018	Second Quarter 2018	Third Quarter 2018	Fourth Quarter 2018	Year 2018
Investment in T-land	12	11	13	14	$12+11+13+14 = 50$
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.

20

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 (more or less) equal.

real = $\frac{nom \times 100}{PI}$
 $\frac{1250 \times 100}{110} = 1136.36$

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

15

	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 less (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.

4

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

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

20

	Firm R	Firm J	Firm F	All firms
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	30,000	20,000	30,000

GDP of this economy is equal to $30,000$

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

24

- (a) Injection ; $(I), (X), (G)$
- (b) Leakage ; $(S), (M), (T), (C)$
- (c) Neither leakage or injection ; (C)

98

Student ID... 6104640039

EE212 (2/2018 Section 046401): Quiz 1

(100 marks) Short answer.

23 36+14 50
12+11+13+14

10

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

20

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

100-75=27

20:20 ratio in 2017 is $\frac{27}{10} = 2.7$ and 20:20 ratio in 2018 is $\frac{25}{10} = 2.5$
From 2017 to 2018, the economy become more (more or less) equal.

15

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 $\frac{1250}{100} = 12.5$ Baht and Real wage in 2018 is $\frac{1320}{110} = 12$ Baht
- From 2017 to 2018, workers can use their wage income to buy less (more or less) goods.

$\frac{1250}{100} \times 100$

$\frac{1320}{110} \times 100$

$\frac{1320}{110} = 12$

5

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
- N 4. Construction cost of newly built houses
- N 5. Trading value of old houses
- N 6. Production of food served at a restaurant
- N 7. Purchase of newly issued stocks by CPN group

20

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
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	\$30,000	\$20,000	\$60,000

GDP of this economy is equal to $10,000 + 30,000 + 20,000 = 60,000$

28

6. (28 marks) Define whether these variables; Consumption (C), Investment Expenditure (I), Government 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 ; M, T, S
- (c) Neither leakage or injection ; C

EE212 (2/2018 Section 046401): Quiz 1

(100 marks) Short answer.

23 36+14 50
12+11+13+14

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
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61-80	22	24
81-100(20% the richest)	27	25

100-75=27

20:20 ratio in 2017 is $\frac{27}{10} = 2.7$ and 20:20 ratio in 2018 is $\frac{25}{10} = 2.5$

From 2017 to 2018, the economy become more (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

$\frac{1250}{100} \times 100$

$\frac{1320}{110} \times 100$

• 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 less (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
- ..N.. 4. Construction cost of newly built houses (not a final)
- ..N.. 5. Trading value of old houses
- ..N.. 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.

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Value Added of each firm	\$10,000	\$30,000	\$20,000	\$30,000

• GDP of this economy is equal to $10,000 + 30,000 + 20,000 = 60,000$

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- (b) Leakage ; M, T, S
- (c) Neither leakage or injection ; C

EE212 (2/2018 Section 046401): Quiz 1

(100 marks) Short answer.

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12+11+13+14

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$\frac{1200}{110} \times 100$

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6. (28 marks) Define whether these variables; Consumption (C), Investment Expenditure (I), Government 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 ; M, T, S
- (c) Neither leakage or injection ; C

EE212 (2/2018 Section 046401): Quiz 1

(100 marks) Short answer.

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

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- (b) Leakage ; M, T, S
- (c) Neither leakage or injection ; C