



Name: _____

Entrance Test

Bachelor's degree in Economics and Management Dual Degree with Lyon 2 University (France) XXX 2020

Duration: 120 min

No documents allowed - Please switch off your mobile phone

Part 1: Problem Solving & Quantitative Reasoning 20 points - Indicative time: 90 minutes

Part 2: General Knowledge of Economics and Management 20 points - Indicative time: 30 minutes

Part 1: Problem solving & Quantitative reasoning 20 points - Indicative time: 90 minutes

Q1. There are 32 students in the class. The average (arithmetic mean) score of the 18 male students at the final examination is 74. If the average score of the female students is 86, what is the average score of the whole class? (*Rounded to the nearest whole number*)

- a. 79
- b. 80
- c. 72
- d. 83

Q2. Vichet invested 5000\$ at 4% interest. At which level of interest must he invest an additional 1000\$ if he wants his total annual income to be equal to 300\$?

- a. 12%
- b. 16%
- c. 10%
- d. 8%



Q3. In average, a RULE's student spends every day (24 hours) as much time in class as he spends sleeping at night, half the time playing, $\frac{1}{4}$ the time eating and $\frac{1}{6}$ the time doing his/her homework. How long does he/she spend doing the different activities listed above every day?

- a. 8.2 hours in class and sleeping, 4.1 hours playing, 2.1 hours eating and 1.4 hours doing homework;
- b. 10.2 hours in class and sleeping, 5.1 hours playing, 2.55 hours eating and 1.7 hours doing homework;
- c. 4.4 hours in class and sleeping, 2.2 hours playing, 1.1 hours eating and 0.7 hours doing homework;
- d. 16.4 hours in class and sleeping, 8.2 hours playing, 4.1 hours eating and 2.7 hours doing homework;

Q4. Last year, total income of Sokhon's taxi company was 150 000\$. This year, his taxi company total income raises to 175 000\$. What will be the amount of Sokhon's taxi company total income next year if it keep increasing by the same percentage every year?

- a. 215 455\$
- b. 214 155\$
- c. 195 000\$
- d. 204 155\$

Q5. Six people attend a meeting in France. To say hello, each person gives one kiss on the cheek of every other person present at the meeting. What is the total number of kisses given at this meeting?

- a. 13
- b. 15
- c. 17
- d. 6

Q6. You have invited 56 friends to your birthday party. Knowing that you need 3 eggs to make 8 pancakes, how many eggs do you need to make a pancake for every one of your guests?

- a. 21
- b. 24
- c. 18
- d. 32

Q7. Marineth bought an apartment in 2010. In 2016, she decided to sell it to Mr Kheng with a 35% discount over the price she paid. In 2019, Mr Kheng sold the apartment to a Chinese investor 15% more than the price he paid. What percentage of the original price paid by Marineth does the price that the Chinese investor paid for the apartment correspond?

- a. 50%
- b. 75.74%
- c. 74.75%
- d. 64.57%



Q8. If $x^2 - 6x - 7 = 0$, what are the two possible values of x ?

- a. -1 & 7
- b. -7 & 1
- c. -7 & -1
- d. 7 & 1

Q9. There are 40 questions in an exam. Over the first 30 questions, Sophal has got 60% of right answers. What percentage of right answers of the remaining questions does Sophal need in order to get 10/20 as a total score?

- a. 25%
- b. 50%
- c. 60%
- d. 20%

Q10. If the GDP growth rate of Cambodia is 5% a year. How long will it take to see the GDP of Cambodia double?

- a. 5 years
- b. 10 years
- c. 17 years
- d. 20 years

Q11. In the morning, Sophorn drives at 80 kilometers per hour to go to the office. Returning over the same route by the evening, he encounters heavy traffic and he is able to drive at only 60 kilometers per hour. If the return trip is 30 minutes longer, how many kilometers does he drive each way?

- a. 100
- b. 120
- c. 80
- d. 135

Q12. Chamroeun goes to the Peace Book Center store. He spends there half of his money on office consumables, $\frac{1}{3}$ on software and the remaining 15\$ on sport goods. How much did Chamroeun spend at the Peace Book Center store?

- a. 60\$
- b. 120\$
- c. 90\$
- d. 35\$



Q13. Bunin's car consumes 14L of gasoline for 100km. Bunin leaves town at 4:15 pm with 18 liters of gasoline in his car's tank. He stops to refill at 5:00 pm and he leaves the gas station with 60 liters of gasoline in his car's tank. Knowing that Bunin drives at 80 Km per hour, how many liters of gasoline have been filled to the car's tank at the gas station?

- a. 50,4 L
- b. 40,5 L
- c. 30 L
- d. 60 L

Q14. The price of the rice is 1,10\$ a kilo in September 2019. In January 2020, the price increase by 12%. In April 2020, the price is set at 1,50\$ a kilo. In June 2020, the price has decreased by 7% since April 2020. What is the variation rate of the price of the rice between September 2019 and June 2020?

- a. -30%
- b. 28,6%
- c. 26.8%
- d. -7%

Q15. The students grades for the exam are 16, 10, 9, 14, 18, 11, 6, 10, 13 (out of 20 points) and the average score is 12,4. What is the missing grade?

- a. 12
- b. 16
- c. 17
- d. 6

Q16. A service apartment has 80 tenants, 45% of whom use the amenities. Of the people who use the amenities, 20 use the swimming pool and 30 use the gym. How many tenants use both the swimming pool and the gym?

- a. 14
- b. 36
- c. 44
- d. 12

Q17. If $n \neq 0$, then which of the following must be true?

- I. $n^2 > n$
- II. $2n > n$
- III. $n + 1 > n$

- a. I only
- b. II only
- c. III only
- d. I and III only



Q18. If $\sqrt{2x + y} - 4 = 22$, what is the value of y in terms of x ?

- a. $\frac{289-x}{2}$
- b. $289 - x$
- c. $\frac{22-x}{4}$
- d. $676 - 2x$

Q19. If $f(x) = 9 - \sqrt{x - 12}$, and $f(x)$ is a real number, which of the following can be the only value of x possible?

- a. 4
- b. 10
- c. 12
- d. 8

Q20. Sokneang has class at 8:00 a.m. She arrives late at 8:34 a.m. She tells her teacher that she left home at 7:25 am riding her motorbike at 35 kilometers per hour but unfortunately she has got stuck in the traffic jam for 25 minutes. How far does Sokneang live from school?

- a. 15 Km
- b. 25,67 Km
- c. 35 Km
- d. 62,75 Km



Part 2: General Knowledge of Economics and Management 20 points - Indicative time: 30 minutes

Q21. What is the World Bank?

- a. An international financial organization that mostly grants loans to developing countries;
- b. A commercial bank operating worldwide;
- c. An international organization advocating for the human rights;
- d. A Cambodian commercial bank.

Q22. Which of the following market configurations corresponds to a monopoly?

- a. There are several companies producing the same good;
- b. There is only one company producing a specific good and serving the demand;
- c. There are only two companies producing the same good;
- d. The good is produced only by companies located abroad and must be imported into the country.

Q23. What is approximately the GDP per capita in Cambodia?

- a. 500\$ a month;
- b. 1600\$ a year;
- c. 35 000\$ a year;
- d. 1000\$ a month.

Q24. The fundamental problem of economics is:

- a. To establish a democratic political framework for the smooth operation of the government;
- b. To establish prices that reflect the relative scarcities of products and resources;
- c. To deal with the scarcity of productive resources relative to an unlimited number of economic needs/desires;
- d. To define and implement best ways to make profits.

Q25. What is the ASEAN?

- a. A peace treaty;
- b. A political cooperation agreement between Asia and the United States of America;
- c. A river;
- d. A free trade agreement between some South-East Asian countries.

Q26. What is the main consequence of the inflation?

- a. The general level of price for goods and services goes down;
- b. The total quantity of goods and services produced increases;
- c. The general level of price for goods and services goes up;
- d. The total quantity of goods and services produced decreases.



Q27. In a free market economy, what is the main objective of any company according to the economy theory?

- a. To produce as much as possible quantity;
- b. To sell as much as possible products;
- c. **To make as much as possible profits;**
- d. To have as much as possible clients.

Q28. What was the main benefit for Cambodia of the “Everything But Arms” agreement signed with the European Union (EU)?

- a. **It allowed Cambodia to export its production to EU countries without paying any tariffs;**
- b. It allowed EU countries to export their productions to Cambodia without paying any tariffs;
- c. It offers a 50% discount on tariffs imposed to Cambodian products exported to EU;
- d. It offers a 50% discount on tariffs imposed to EU countries products exported to Cambodia.

Q29. What is the main difference between microeconomics and macroeconomics?

- a. **Microeconomics studies the individual behaviors of the economic agents while macroeconomics focuses on the whole economy;**
- b. Microeconomics focuses on the small and medium companies while macroeconomics aims to study big corporations;
- c. Microeconomics studies the national economy while macroeconomics studies the international economy;
- d. There is no difference.

Q30. Rank the following countries from the richest to the poorest in terms of GDP: USA, South Korea, Cambodia and France.

- a. **USA, France, South Korea, Cambodia;**
- b. France, USA, South Korea, Cambodia;
- c. South Korea, USA, Cambodia, France;
- d. USA, South Korea, France, Cambodia.

Q31. What are the three sectors contributing the most to the Cambodian economy?

- a. Garment, construction and heavy industry;
- b. Garment, healthcare and agriculture;
- c. Garment, tourism and transports;
- d. **Garment, agriculture and tourism.**

Q32. What is the Chinese currency?

- a. Euro;
- b. US Dollar;
- c. **Yuan;**
- d. Yen.



Q33. Which of the following correspond to the factors of production defined by the economic theory?

- a. Capital, labor and land;
- b. Capital, currency and land;
- c. Capital, labor and vehicles;
- d. Currency, investment and consumption.

Q34. What is the Return on Investment?

- a. It is a ratio given by the benefit of an investment divided by the cost of this investment;
- b. It is the amount of profits made out of an investment;
- c. It is a ratio given by the cost of an investment divided by the benefit of this investment;
- d. It is the amount spent to invest.

Q35. Among the following people, who is NOT a famous economist?

- a. John Meynard Keynes;
- b. Adam Smith;
- c. Barack Obama;
- d. Robert Solow.

Q36. On the rice market, the supply is given by $Q = 100 \times P$, the demand is given by $Q = 60 - 20 \times P$ with Q: quantity of rice in tons and P: the price for a ton of rice. What are the quantity and the price of rice that makes the supply to equal the demand?

- a. $Q = 40$ and $P = 4$;
- b. $Q = 80$ and $P = 3$;
- c. $Q = 50$ and $P = 0.5$;
- d. We do not have enough data to find the price and the quantity.

Q37. What is the most expensive means of transportation to export a production (in USD/Kg)?

- a. By sea transport;
- b. By air transport;
- c. By rail transport;
- d. By road transport.

Q38. Why is it important to conduct a market study before launching a new business?

- a. To get to know well the market environment in order to assess whether or not our business idea might be profitable;
- b. To find facilities to set up our offices;
- c. To explore opportunities to export our business idea;
- d. To find in which already existing companies it can be good to invest.



Q39. How do we calculate a trade balance?

- a. Import minus export;
- b. Import plus export;
- c. Export minus import;
- d. Supply minus demand.

Q40. What does GAFAM mean?

- a. It is the acronym for the five most profitable US tech companies;
- b. It is the acronym for the five most profitable Cambodian companies;
- c. It is the name of the French professional football league;
- d. It is the name of an international NGO dealing with digital literacy.

ROYAL UNIVERSITY OF LAW AND ECONOMICS ANSWER SHEET

Name:

English Test

PART II: Structure and written expression

Question #				
1	A	B	C	D
2	A	B	C	D
3	A	B	C	D
4	A	B	C	D
5	A	B	C	D
6	A	B	C	D
7	A	B	C	D
8	A	B	C	D
9	A	B	C	D
10	A	B	C	D
11	A	B	C	D
12	A	B	C	D
13	A	B	C	D
14	A	B	C	D
15	A	B	C	D
16	A	B	C	D
17	A	B	C	D
18	A	B	C	D
19	A	B	C	D
20	A	B	C	D

PART III - Reading comprehension

21	A	B	C	D
22	A	B	C	D
23	A	B	C	D
24	A	B	C	D
25	A	B	C	D
26	A	B	C	D
27	A	B	C	D
28	A	B	C	D
29	A	B	C	D
30	A	B	C	D