



Name: \_\_\_\_\_

## Entrance Test

### ***Master's degree in Business and Management – Year 1 XXX 2020***

*Duration: 120 minutes*

**No documents allowed - please switch off your mobile phone**

**Part 1: Problem Solving & Quantitative Reasoning (20 questions - 20 points) -  
Indicative time: 75 minutes**

**Part 2: General Knowledge of Economics and Management (30 questions - 30  
points) - Indicative time: 45 minutes**

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**Part 1: Problem Solving & Quantitative Reasoning (20 questions - 20 points) -  
Indicative time: 60 minutes. Write your answer in the blank space below the  
question**

**Q1.** Piseth's age is twice Sambo's age. In 10 years, Sambo's age tripled will be 8 more than Piseth's age doubled. How old will Piseth be in 30 years from now?

- a. 56 years
- b. 42 years
- c. 34 years
- d. 14 years

**Q2.** A salesman's income consists of commissions and basic salary. His weekly income over the past 5 weeks has been respectively 370\$, 400\$, 440\$, 420\$ and 460\$. What must his average income over the next two weeks be to have an average income of 470\$ over the 7-week period?

- a. 600\$
- b. 650\$
- c. 575\$
- d. 525\$



**Q3.** The French Cooperation Department at RULE counts 150 students in its 5 master's degree programs namely "Entrepreneurship", "Bank-Finance", "E-Business", "International Law" and "Public Law". Knowing that  $\frac{1}{6}$  of them study Entrepreneurship, that there are three times more students studying Bank-Finance than E-Business and that we count 45 students with a major in law, how many students follow the E-Business master's degree program?

- a. 60
- b. 45
- c. 20
- d. 80

**Q4.** You roll two "6 faces" dices. What is the probability that the sum of the two dices equals 6?

- a.  $\frac{4}{36}$
- b.  $\frac{1}{6}$
- c.  $\frac{5}{36}$
- d.  $\frac{3}{36}$

**Q5.** You buy treasury bonds for 20 000\$. The annual interest rate is 7% and the term of your bonds is 10 years. At the term, how much will you earn for your bonds? (*Result rounded to the nearest tenth*)

- a. 39,343.03\$
- b. 25,683.05\$
- c. 57,539.12\$
- d. 12,361.36\$

**Q6.** Panha bought a 250\$ smartphone on sale at 20% off. How much did he pay, including the 10% sales tax?

- a. 200\$
- b. 210\$
- c. 220\$
- d. 190\$

**Q7.** A printer can print a page every 3 seconds and it needs to cool down for 5 minutes after every one hour of usage. How long does it take to print 4200 pages? (*Result to be given in minutes*)

- a. 320 minutes
- b. 190 minutes
- c. 210 minutes
- d. 225 minutes



**Q8.** Of the 320 players in a basketball league, 70 are left-handed. Which of the following is the percentage of players that are not left-handed in the league? (*Rounded to the nearest whole number*)

- a. 84%
- b. 62%
- c. 75%
- d. 78 %

**Q9.** Chanthara and Makara play tennis. If the ratio of points scored by Chanthara to points scored by Makara is 7 to 8, which of the following could be the ONLY total number of points scored by the two boys?

- a. 56
- b. 16
- c. 30
- d. 24

**Q10.** Zando Store offers a reduction of 35% off on a 68\$ shirt. Later, they decide to raise the price of the same shirt by 15%. What is the final price of the shirt?

- a. 44.2\$
- b. 50.83\$
- c. 68\$
- d. 53.6\$

**Q11.** The average weekly income of 14 workers and 5 managers in a factory is 1200\$. A manager whose income is 840\$ a week is replaced by a new manager, then the average income of the team falls to 1180\$. How much does the new manager earn a week?

- a. 460\$
- b. 520\$
- c. 440\$
- d. 400\$

**Q12.** If 2 men or 5 women can do a work in 60 days. How many days are needed for 10 women and 2 men to do the same work?

- a. 20 days
- b. 30 days
- c. 40 days
- d. 50 days



**Q13.** 30 tickets are sold for the Khmer New Year lottery. Only 10 tickets are winning. If you buy 3 tickets, what is the probability to have at least one winning ticket?

- a. 100%
- b. 71.9%
- c. 33.3%
- d. 28.1%

**Q14.** A jar contains 20 red seeds and 60 green ones. How many red seeds must be added to the jar to have 60% of the seeds red?

- a. 40
- b. 50
- c. 70
- d. 60

**Q15.** The price of a motorbike is reduced by 35%. The new price is reduced by a further 25%. The two price reductions together are equal to a single reduction of:

- a. 50%
- b. 48.75%
- c. 55.25%
- d. 40%

**Q16.** Sopheak takes 25 minutes to do a first race lap and 30 minutes to do a second race lap. What is his average speed in km/h if a race lap is 4 km long?

- a. 9.2 km/h
- b. 8.2 km/h
- c. 8.8 km/h
- d. 9.6 km/h

**Q17.** The value of a land in Kandal province raises by 12.5% every year. At this rate, how many years will it take for a 14 000\$ land to worth 100 000\$? (*result to be given rounded to the nearest year*)

- a. 25 years
- b. 12 years
- c. 35 years
- d. 17 years

**Q18.** Sophal bought candies for everyone in the class. He has a total of 120 candies. If he gives  $\frac{1}{6}$  to Raksa,  $\frac{1}{5}$  to Mollyka and  $\frac{12}{30}$  to Chamroeun, how many candies does he have for him?

- a. 28
- b. 92
- c. 42
- d. 30



**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. 12
- c. 8
- d. 10

**Q20.** In a bar, there is a tip box. At the end of the service, Phalla takes half of the money plus 1\$. Kim takes half of the remaining money plus 1\$. Sreyma takes the remaining 23\$. How much money was originally in the tip box?

- a. 98\$
- b. 102\$
- c. 92\$
- d. 108\$



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

**Q21.** What is the “Brexit”?

- a. The name given to the decision of the United Kingdom to leave the European Union;
- b. The name of a commercial bank;
- c. The name of a trade agreement between the United Kingdom and the European Union;
- d. The name of a beer brand.

**Q22.** If a price increase of good A leads the quantity demanded for good B to increase, good B is a:

- a. Complementary good;
- b. Inferior good;
- c. Substitute good;
- d. Public good.

**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 does BRICS stand for?

- a. Brazil, Russia, Indonesia, China, Singapore;
- b. Brazil, Russia, Indonesia, China, South Korea;
- c. Brazil, Russia, India, China, South Africa;
- d. None of the answers above.

**Q26.** The SWOT analysis assesses an organization's:

- a. Speed, Wants, Orders, Timing;
- b. Strengths, Weaknesses, Opportunities, Threats;
- c. Signs, Worries, Objectives, Techniques;
- d. Structure, Workforce, Organization, Types.



**Q27.** Quantitative data analysis is the collection of:

- a. Data for numerical analysis;
- b. Data that looks at consumer habits;
- c. Data used for questionnaire design;
- d. Data for non-numerical analysis.

**Q28.** Those who transform ideas for products or services into real-world businesses are known as:

- a. Accountants;
- b. Entrepreneurs;
- c. Politicians;
- d. Auditors.

**Q29.** A commercial company that explicitly takes into consideration the social consequences of its actions is most likely to be:

- a. Putting the needs of consumers before the company's need for profit;
- b. Seeking to combine social benefits with business profitability;
- c. Acting like a public sector organization;
- d. Acting philanthropically to their consumers.

**Q30.** Which of the following rankings that classify countries from the poorest to the richest in terms of GDP is correct?

- a. Cambodia, South Korea, France, Germany, United States of America;
- b. Cambodia, France, Italy, South Korea, United States of America;
- c. Israel, France, Italy, South Korea, Cambodia;
- d. Laos, South Korea, Italy, United States of America, France.

**Q31.** The role of an auditor is:

- a. To check every financial transaction;
- b. To report to the directors whether the financial statements show a "true and fair view";
- c. To report to the shareholders whether the financial statements show a "true and fair view";
- d. To prevent fraud to take place.

**Q32.** How do we calculate a trade balance?

- a. Investment minus consumption;
- b. Import plus Export;
- c. Export plus Import;
- d. Export minus Import.



**Q33.** What is an externality?

- a. A consequence of an economic activity which affects other parties without this being reflect in market prices;
- b. A direct action of an economic agent on the activity of another one;
- c. A negative consequence of an economic activity that we cannot prevent;
- d. A state intervention in order to regulate markets.

**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. Winston Churchill;
- d. Robert Solow.

**Q36.** Which of the following correspond to the economic factor of production?

- a. Labour, land and investment;
- b. Capital, consumption and labour;
- c. Capital, labour and land;
- d. Capital, land and taxation.

**Q37.** A joint stock company is managed by a Board of Directors elected by:

- a. The Top management;
- b. The shareholders;
- c. The employees;
- d. The clients.

**Q38.** What does the “invisible hand” partly legitimate?

- a. Free trade;
- b. Anarchy;
- c. Communism;
- d. None of the above.

**Q39.** What was the trigger of the 2008 world economic crisis?

- a. The sovereign debt crisis in Europe;
- b. The subprime crisis in the USA;
- c. The massive bankrupts un the construction industry in Cambodia;





d. The lack of banking regulation.

**Q40.** What does GAFAM mean?

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

**Q41.** Who has never received the Nobel Prize in Economics?

- a. Joseph Stiglitz;
- b. Jean Tirole ;
- c. Robert Solow.
- d. Thomas Piketty;**

**Q42.** According to the economic theory, what is NOT a cause of inflation?

- a. When the Central Bank decides to lower the interest rates;
- b. When commercial banks ease access to credits for households;
- c. When the government allows massive subsidies to the private sector;
- d. When households increase their savings;**

**Q43.** What is the main economic reason for some companies to declare their profits in some tiny remote islands in Caribbean Sea for example?

- a. To reduce their production costs thanks to lower salaries offered to workers;
- b. To avoid paying taxes on their profits in the country they actually operate;**
- c. To access new markets;
- d. To contribute to the development of these countries;

**Q44.** Which company gives his name to a practice consisting in sub-contractor self-employed people instead of hiring them as full-time employees?

- a. Uber;**
- b. Tesla;
- c. Twitter;
- d. Coca-Cola.

**Q45.** The marketing mix consists of:

- a. Product, People, Place, Promotion;
- b. Product, Price, Place, Promotion;**
- c. Price, Promotion, Advertising, Place;
- d. Process, Place, Physical Evidence, Product;



**Q46.** When did Cambodia become a member of ASEAN?

- a. 2005;
- b. 1999;
- c. 1994
- d. 2012;

**Q47.** One of the disadvantages of a sole proprietorship is:

- a. All the profits goes to the owner ;
- b. There are fewer regulations to cope with;
- c. The owner support all the risks;
- d. There is no lunch breaks.

**Q48.** The “free-rider problem” refers to the fact that:

- a. Government subsidizes the fares of many municipal mass-transit systems;
- b. Government arbitrarily set taxes to a select list of goods and services;
- c. The benefits associated with public goods cannot be denied to those who are unwilling to pay for them;
- d. A lot of people do not want to pay for public transportations;

**Q49.** What does WTO stand for?

- a. World Tax Organization;
- b. World Trade Organization;
- c. World Trade Order.
- d. World Taxi Order;

**Q50.** What is the wealthiest company in the world?

- a. Lucky Supermarket;
- b. Boeing;
- c. Apple;
- d. Rolls Royce;

ROYAL UNIVERSITY OF LAW AND ECONOMICS ANSWER SHEET

English test - correction

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
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

Question #				
31	A	B	C	D
32	A	B	C	D
33	A	B	C	D
34	A	B	C	D
35	A	B	C	D
36	A	B	C	D
37	A	B	C	D
38	A	B	C	D
39	A	B	C	D
40	A	B	C	D

PART III - Reading comprehension

41	A	B	C	D
42	A	B	C	D
43	A	B	C	D
44	A	B	C	D
45	A	B	C	D
46	A	B	C	D
47	A	B	C	D
48	A	B	C	D
49	A	B	C	D
50	A	B	C	D
51	A	B	C	D
52	A	B	C	D
53	A	B	C	D
54	A	B	C	D
55	A	B	C	D
56	A	B	C	D
57	A	B	C	D
58	A	B	C	D
59	A	B	C	D
60	A	B	C	D