

الاسم:  
الرقم:مسابقة في مادة الاقتصاد  
المدّة: ساعتان**Part One: (7 points)**

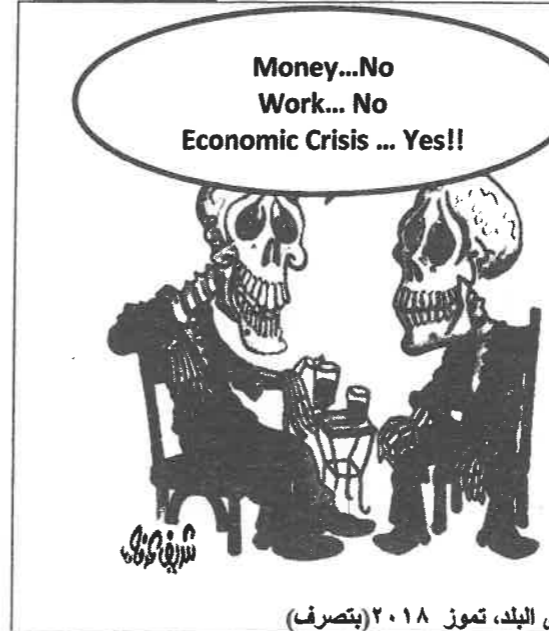
- 1- The function of the total cost is:  $TC = 0.9Q^2 + 10.5Q + 75$
- 1.1- Calculate the total cost, the average variable cost and the average fixed cost at the level of production  $Q = 20$  units. (0.75 pt.)
- 1.2- Calculate the quantity of production (Q) at which the enterprise realizes the maximum profit, knowing that the market price (P) is:  $P = 1.7Q + 30.5$ . (0.75 pt.)
- 2- Assume that the consumption function of a certain product is:  $C = 0.6R + 180$  and that the total income:  $R = 1,600$  m.u.
- 2.1- Calculate the average propensity and the marginal propensity to consume and to save. (1 pt.)
- 2.2- Calculate the income elasticity of demand, and then determine the type of the product. (1 pt.)
- 3- An investor decided to work in the field of insurance, with a cost of investment distributed as follows:  
Building = 130,000 m.u. Machines and equipment = 80,000 m.u. Feasibility study fees = 10,000 m.u.  
After conducting a feasibility study of the project, the following data was revealed:  
Annual revenues from property insurance business = 45,000 m.u.  
and annual revenues from health insurance business = 20,000 m.u.  
The operating expenses of the project were as follows:
- | Year                            | 1      | 2      | 3      | 4      | 5      |
|---------------------------------|--------|--------|--------|--------|--------|
| Annual operating expenses(m.u.) | 10,000 | 15,000 | 15,000 | 18,000 | 20,000 |
- Knowing that the annual interest rate is 5% in the market, determine if the project is feasible. Justify your answer. (2 pts.)
- 4- Mr. Faraj deposited an amount of 100,000 m.u. in a bank, with an annual simple interest rate for a period extending from 4/3/2019 to 25/6/2019. The interest amount received at the end of the period is 1,000 m.u.
- 4.1- Calculate the annual interest rate (i). (1 pt.)
- 4.2- Knowing that Mr. Faraj had another option to invest this amount in a productive project which may achieve 6% as a return of this investment (profitability rate). Specify the appropriate option that Mr. Faraj should make, justify your answer. (0.5 pt.)

**Part Two: (3 points)**

- 1- Justify the following statement: (0.5 pt.)
- The lack of respect for the democratic foundations affects negatively the economic situation.
- 2- Copy the following table on your answer sheet; then complete it: (1.5 pts.)

The principle in the Classical Liberal System	A positive result	A negative result	An appropriate measure to overcome the problem if the state decided to interfere
Free movement of capital		All types of speculations	

- 3- The human resource department at the "AL Enayah" enterprise for medical equipment decided to conduct a workshop to train the employees of the production department on the use of the new machines.
- 3.1- Specify the nature of this decision. (0.5 pt.)
- 3.2- Deduce the economic result of this decision. (0.5 pt.)

**Part Three: (6 points)****Document n ° 1:****Document n ° 2:**

(...) 28.5% of the Lebanese citizen live under the line of poverty. The unemployment rate in Lebanon surpasses actually 20%, knowing that Lebanon needs to create job opportunities in average of 22,000 jobs for the youth who will enter in the labor market till the end of 2019.

These statistics reflected by the economic report of Fransabank for the fourth quarter of 2017. This report showed that the public debt increased by 6.5% during the first eleven months of 2017 to reach 79.4 billion dollar. This represent approximately 148% from the total GDP.

This report clarified that Lebanon witnessed an inflation in the general level of prices in average of 4.5% for the year of 2017, and it signaled that the deficit in the Lebanese trade balance has extended by an average of 29% between 2016 and 2017.

المصدر: المدن - اقتصاد الأربعاء 21/02/2018

**Document n ° 3:**

(...) "The report of the Fitch International Agency concerning the situation in Lebanon should be a warning to all those responsible for the financial and economic situation in the country, and therefore should adopt a clear budget austerity policy, to surpass the next phase, where its indicators appear difficult and complex.

And he concluded: "The crisis that appeared among the Gulf States, may increase the complexity of the financial and economic situation in Lebanon, especially if it interacts more in the future, might affect the activities and transfers of Lebanese working in the Gulf.

المصدر: almanar.com.lb/2267824 - 7 July, 2017.

**By referring to the above documents, answer the following questions:**

- 1- Deduce the type of unemployment reflected by document no. 1, justify your answer with a proof from the document. (0.75 pt.)
- 2- Name the policy reflected in the first paragraph of document no. 2, specifying its negative result. (0.75 pt.)
- 3- Referring to document no.2:
- 3.1- Extract two economic problems and one financial problem. (0.75 pt.)
- 3.2- Show the effect of each of the two problems on the economic situation. (1.5 pt.)
- 4- Extract from document no.3 the policy that the state should adopt to overcome the financial problem (extracted from document no.2) mentioning one measure within this policy. (0.5 pt.)
- 5- Explain the effect of the decrease of the Lebanese transfer working in Gulf countries; mentioned in document no.3; on the type of unemployment deduced from document no.1. (0.75 pt.)
- 6- Suggest an appropriate policy to overcome the two economic problems and the problem of unemployment combined, mentioning two measures within this policy. (1 pt.)

**Part Four: Studying an economic subject (4 points)****Document n ° 1**

The agricultural sector is considered one of the most productive sectors...but still suffers from several problems, including:

- Lack of awareness and guidance, leading to the non-organized use of fertilizers.
- The area of most agricultural holdings is less than one hectare.
- Lack of financing in the agricultural sector...

**Document n ° 2: Evolution of commercial exchange of agricultural products (in thousand \$)**

Year	Agricultural Exports	Agricultural Imports
2013	215,697	922,785
2014	207,396	966,178

المصدر: التقرير الاقتصادي، غرفة التجارة والصناعة، بيروت وجبل لبنان، ٢٠١٤

Based on the above documents and your acquired information, write a text in which you discuss the problems faced by the Lebanese agricultural sector through:

- Specifying one measure to overcome each problem mentioning one result to each measure.
- Showing the effect of the combined measures on the agricultural sector and on the Lebanese society.