

Study Prerequisites Test

Test instructions:

You have 50 minutes for the test. There are 25 questions. Only one answer is correct. Do not close or minimise the window of your browser. Do not forget to submit the test in time. The time is measured from the opening of your test in your browser. If you do not submit the test properly it will not be assessed

Evaluation: Only correct answers are counted.

1. Fill in the most appropriate three words to complete the following passage (in order): 4

”To ensure stability in Europe, it is necessary to energy sources and suppliers. One of the ways includes, for example, the of nuclear energy, which, however, is associated with increased investment in research and development and also in the necessary”

Select one from the following options.

- a) relativize - aggregation - superstructures
- b) diversify - revitalization - infrastructure
- c) differentiate - restriction - controversy
- d) allocate - potentiation - propaganda

2. Which word best describes the opposite of the word *relaxed*? 4

Select one from the following options.

- a) scanty
- b) tense
- c) employed
- d) hopeless

3. Choose one answer that best describes this proverb: 4

“Don’t blow your own trumpet.”

Select one from the following options.

- a) Don’t offer something valuable to someone who doesn’t value it.
- b) Don’t take more responsibility than you can handle.
- c) You should avoid boasting about your achievements and successes.
- d) Don’t make plans based on future events that may not happen at all.

4. Which of the following pairs corresponds to the relationship *doctor - nurse*? 4

Select one from the following options.

- a) manager - assistant
- b) judge – lawyer
- c) cameraman - actor
- d) cook - baker

5. **Sine amicitia vita est nulla.** 4

What is the meaning of this Latin sentence?

Select one from the following options.

- a) There is no life without friends.
- b) A friend in need is a friend indeed.
- c) Life has no value without diamonds.
- d) Who is not happy, cannot be healthy.

6. From the group of four words choose one word that is different. 4

Select one from the following options.

- a) further
- b) next
- c) last
- d) following

7. Read the following text and fill in the gap with the best fitting word/s. 4

There a number of economic crises in American history. The worst, which is known as the Great Depression, came in 1929. Most factories closed completely, or at least reduced their production. Because of this, about 15 million people had lost their jobs by the end of 1932.

Select one from the following options.

- a) have been
- b) was
- c) had been
- d) were

8. Read the text below and choose a false statement. 4

Tomáš Baťa was a Czech businessman, founder of Bata Shoes Company, one of the world's biggest multinational retailers, manufacturers and distributors of footwear and accessories. When Baťa founded his organisation in Zlín in 1894, he and his family had been learning the craft of shoemaking for over three hundred years. Baťa modernised his production by introducing work on assembly lines and by focusing on decentralising operations in order to increase the efficiency of the entire production process. As a consequence, individual work operations were made easier, and he was also able to employ a large number of unskilled labourers. This automatically resulted in higher and cheaper production as well as lower prices for the final product, making them affordable for everyone, including all of Baťa's employees. He is praised above all for modernising his hometown of Zlín by providing people with jobs and modern housing facilities in accordance with the garden city concept, which places particular emphasis on creating self-contained communities living in balanced residential areas surrounded by greenbelts.

Select one from the following options.

- a) Baťa's decentralisation meant that each of his employees had to do a wider variety of complicated jobs within a certain amount of scheduled time.
- b) Baťa's modernized production led to lower prices for the shoes from his factory.
- c) Baťa was a businessman with a social conscience.
- d) When Baťa established his organisation in Zlín, he had a lot of experience with shoemaking.

9. From the group of four words choose the word which sounds different. 4

Select one from the following options.

- a) court

- b) short
- c) thought
- d) hot

10. Which definition and phrasal verb is not correct?

4

Select one from the following options.

- a) wait for something with pleasure - look forward to
- b) become less nervous - calm down
- c) go to a restaurant - eat away
- d) discover - find out

11. The average price of the twenty cars in the showroom is 65,000 USD. The price of one car will increase by 5,000 USD. How will the average price of all the cars in the showroom change?

4

Select one from the following options.

- a) It will increase by 500 USD.
- b) It will increase by 1,000 USD.
- c) It will increase by 250 USD.
- d) It will stay the same.

12. In the following table, compare the values of the expressions on the left and right and choose the correct answer.

4

One third of a variable x, divided by four.	x/12
---	------

Select one from the following options.

- a) The value on the left is greater than the value on the right.
- b) The value on the left is lesser than the value on the right.
- c) The value on the left is equal to the value on the right.
- d) It cannot be clearly identified.

13. The following table provides approximate data on the structure of average household consumption expenditure by quintile for the distribution of net cash income per person in 2020 (adjusted according to the Czech Statistical Office). Determine how much money (in CZK) households in the third quintile spent on average in 2020 on food and non-alcoholic beverages, restaurants and hotels, and recreation and culture.

4

	Households by net cash income					
	Households total	Lowest 20 %	Second 20 %	Third 20 %	Fourth 20 %	Fifth 20 %
Consumption expenditure in CZK	149 810	109 419	125 888	144 757	175 864	223 256
Structure of expenditure in %:	100	100	100	100	100	100
Food and non-alcoholic beverages	21	23	23	22	20	18
Alcoholic beverages, tobacco	3	3	3	4	4	3
Clothing and footwear	4	5	4	4	4	5

(to be continued on the next page)

Housing, water, electricity, gas and other fuels	24	25	25	24	24	23
Furnishings, household equipment and routine household maintenance	7	6	6	7	6	8
Health	3	3	3	3	3	3
Transport	10	9	9	8	10	11
Communication	4	5	4	5	4	4
Recreation and culture	10	9	8	10	11	10
Education	1	1	1	1	1	1
Restaurants and hotels	6	5	6	5	6	7
Miscellaneous goods and services	7	6	7	7	8	8

Select one from the following options.

- a) 53560
- b) 60797
- c) 41289
- d) 49117

14. In prison, five businessmen argue over who embezzled the most. Mr. Musc lost to Mr. Bazos. Mr. Buffé and Mr. Sugarhill embezzled the same, but \$10 billion less than Mr. Musc and \$5 billion more than Mr. Trunk. Choose the option that best reflects the scenario. 4

Select one from the following options.

- a) Mr. Musc was second.
- b) Mr. Trunk beat Mr. Musc.
- c) Mr. Musc won.
- d) Mr. Sugarhill beat Mr. Bazos.

15. The thief who broke into a bank knows that there is money hidden in one of the 4 safes. On each safe, there are the following written inscriptions, from which at least two are true. 4

1. The money is in this safe.
2. The money is in this safe.
3. If the money is not in this safe, it will be in the first safe.
4. The money is in the first vault.

In which vault will the thief find the money?

Select one from the following options.

- a) In the second.
- b) In the fourth.
- c) In the first.
- d) In the third.

16. In the book *Principles of Economics* (2006, N. Gregory Mankiw), there is the following passage: 4

"If inflation is so easy to explain, why do policymakers sometimes have trouble ridding the economy of it? One reason is that reducing inflation is often thought to cause a temporary rise in unemployment. The curve that illustrates this tradeoff between inflation and unemployment is called the Phillips curve, after the economist who first examined this relationship."

What does this passage not imply?

Select one from the following options.

- a) The relationship between understanding the reason and finding the solution is not straightforward.
- b) At least two economic phenomena are intertwined.
- c) Sometimes, policymakers' decisions can lead to unemployment.
- d) The rise of inflation leads to the rise of unemployment.

17. By using the *begging the question fallacy*, one states or assumes as a premise the very thing they are trying to prove as a conclusion (www.futurelearn.com). 4

Which statement corresponds to this kind of fallacy?

Select one from the following options.

- a) People are begging for happiness, but their gods are not listening.
- b) Striving to achieve happiness is the only meaning of life.
- c) Happiness is the highest achievement for a human being since all other values are inferior to it.
- d) People who are not happy have neither friends nor money.

18. On 21/05/2022, Eurostat published an article titled *How many marriages and divorces took place in 2020?* saying that "since 1964, the marriage rate in the EU has declined from 8.0 per 1 000 people in 1964 to 3.2 in 2020. At the same time, the divorce rate has doubled, increasing from 0.8 per 1 000 people in 1964 to 1.6 in 2020. Interestingly, the divorce rate has decreased in the past decade, from 1.9 per 1 000 people in 2010. In 2020, some 1.4 million marriages and an estimated 0.7 million divorces took place in the EU, according to the most recent data available for all EU Member States, down from 1.9 million marriages and 0.8 million divorces estimated in 2019. The unprecedented decrease in marriages can be somewhat attributed to the measures related to limiting the spread of COVID-19. The EU Member States with the highest number of marriages relative to the population were Hungary (6.9 marriages per 1 000 people), Latvia (5.6) and Lithuania (5.5). In contrast, the lowest marriage rates were around 2 marriages per 1 000 inhabitants, which were reported in Italy (1.6), Portugal (1.8), Spain and Ireland (both 1.9)." 4

This passage directly implies:

Select one from the following options.

- a) The number of divorces has increased because of the spread of COVID-19.
- b) The number of children born outside of marriage doubled between 1964 and 2020.
- c) We do not know the exact number of marriages and divorces in the EU for 2020.
- d) There are more married Hungarians than Italians in the world.

19. In a representative survey, we found that people familiar with Renaissance art make more money than those who are not. 4

This information directly implies:

Select one from the following options.

- a) If we want to get a raise, we should educate ourselves in Renaissance art.

- b) Bosses appreciate cultural people and give them a higher salary.
- c) None of the other answers is true.
- d) Being familiar with Renaissance art is essential for making more money.

20. Under Section 22 of the Czech Civil Code, "a close person is a relative in the direct line, sibling and spouse or a partner under another statute governing registered partnership; other persons in a familial or similar relationship shall, with regard to each other, be considered to be close persons if the harm suffered by one of them is perceived as his own harm by the other. Persons related by affinity and persons permanently living together are also presumed to be close persons." 4

What does this passage imply?

Select one from the following options.

- a) There must always be an emotional relationship with a close person.
- b) Persons who live together permanently are always close persons.
- c) A mother-in-law is never a close person.
- d) A close person can also be a mistress if there exists an emotional relationship with her.

21. What will be the next number in the number sequence: 1, 2, 5, 14, 41? 4

Select one from the following options.

- a) 113
- b) 122
- c) 127
- d) 95

22. The rule of thumb is: If the system is updated and has a valid license, then it is safe. 4

The system is not safe.

What does this mean?

Select one from the following options.

- a) The system is not updated.
- b) The system is not updated and does not have a valid license.
- c) The system is not updated or does not have a valid license.
- d) The system does not have a valid license.

23. Choose the statement that is logically equivalent to the statement: "It is not true that at least one employee received a bonus." 4

Select one from the following options.

- a) All employees received a bonus.
- b) Only one employee did not receive a bonus.
- c) Not one employee received a bonus.
- d) Only one employee received a bonus.

24. Choose the statement that is the negation of the statement: "Each driver either arrived at the destination on time or took a detour." 4

Select one from the following options.

- a) At least one driver took a detour.
- b) At least one driver arrived at the destination on time.

- c) At least one driver arrived at the destination late or took a detour.
- d) At least one driver arrived at the destination late and did not take a detour.

25. A chef has three recipes (1, 2, 3) for preparing three dishes (A, B, C). Each recipe is used for exactly one dish, each dish is prepared according to exactly one recipe.

4

Statement 1: Recipe 2 is not used for dish A.

Statement 2: Recipe 1 is used for dish B.

Which recipe is used for dish A?

Decide whether the given information is sufficient to determine a clear answer to the question in the assignment.

Select one from the following options.

- a) Both statements together are sufficient, but neither statement is sufficient by itself.
- b) Exactly one of the statements is sufficient by itself.
- c) Both statements together are not sufficient either.
- d) Each of the statements is sufficient by itself.