# МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ НАЦІОНАЛЬНА МЕТАЛУРГІЙНА АКАДЕМІЯ УКРАЇНИ



# С.Ф. ШАРКОВА, Н.Ф. ШАРКОВА

# АНГЛІЙСЬКА МОВА

**Дніпро НМетАУ 2018** 

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Складається з семи розділів, які базуються на аналізі текстів та доповнені різноманітними лексичними та граматичними тренувальними вправами, призначеними для активізації навичок читання, говоріння, письма. Для кращого засвоєння розглянутого матеріалу наприкінці розділів надається підсумковий тест, який дає студентам можливість перевірити набуті знання. Останні розділи містять значну кількість творчих завдань, які сприятимуть кращому аналітичному мисленню та вмінню схематично презентувати інформацію.

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#### ВСТУП

Навчальний посібник, що пропонується, передбачений для запровадження на практичних заняттях та організації самостійної роботи студентів спеціальності 122 – компютерні науки галузі знань 12 «Інформаційні технології» над учбово-тренувальним матеріалом відповідно до діючого навчального плану з дисципліни «Іноземна мова в IT». Навчальний посібник є продовженням комплексу підручників, які спрямовані на усунення недоліків, пов'язаних із недостатньою ефективністю зворотного зв'язку у практиці вузівського викладання іноземної мови.

Запропонований матеріал складається з семи розділів, які базуються на аналізі текстів та доповнені різноманітними лексичними та граматичними тренувальними вправами, призначеними для активізації навичок читання, говоріння, письма. Для кращого засвоєння розглянутого матеріалу наприкінці розділів надається підсумковий тест, який дає студентам можливість перевірити набуті знання. Останні розділи містять значну кількість творчих завдань, які сприятимуть кращому аналітичному мисленню та вмінню схематично презентувати інформацію.

Метою даного посібника є не тільки ознайомлення студентів із деякими специфічними поняттями, засобами вираження та семантикою лексичних одиниць, граматичною структурою речень різної структури, але й активізація роботи на практичних заняттях шляхом створення мотивації щодо вивчення дисципліни.

Текстовий матеріал підібраний з британських та американських оригінальних джерел (Intellectual Property Portal; Microsoft Policy Roadmap for a Trusted, Responsible, and Inclusive Cloud; The Power of Electricity; the Official Website of the Nobel Prize; Oxford English for Computing; Wikipedia; WIPO Publication). Навчальний посібник сприятиме індивідуалізації вивчення нерідної мови та підвищенню ефективності контроля за роботою студентів на практичних заняттях.

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#### UNIT 1

#### Working In the IT Industry

There are well-known software engineers who launched successful IT projects based on innovations and creative ideas patented all over the world. Specialists point out that it is highly important to know intellectual property rights. Intellectual property represents the property of your mind or intellect. In business terms, this also means your proprietary knowledge. Taking into account that global markets are becoming increasingly aggressive, everyone is searching for that competitive edge: the special something that will make you stand out from the rest. Innovation and invention have been remaining the backbone of development in both Western and Eastern countries. People have developed new ideas to better mankind. In fact, most of the major inventions of last century came from individuals not corporations.

Inventors come from all walks of life. Some of them are trained scientists or engineers who work for large companies. But most inventors could be everyday people: truck drivers, plumbers, nurses, etc. They are those people who look at a situation and come up with a solution that they think works better. An intellectual property is any product of the human intellect that is unique, novel, unobvious and has some value in the marketplace. It could be an idea, invention, expression or literary creation, unique name, business method, industrial process, chemical formula, computer program process, presentation and so on.

While many people just let ideas collect dust in the recesses of their mind, others look for an opportunity to tell someone about their inventions. However, creating IP does not mean you own the rights to it! With the exception of copyright and circuit layout rights, which are automatic, you must take formal steps to register your IP and obtain the legal rights of ownership. Otherwise, you will have to rely on common law to prove ownership and prior use for non-registered IP. Building effective strategies around IP (i.e. also the development of steps to protect IP rights) will give the business a major, sustainable market advantage. Note, that registering your IP rights in one country doesn't always give you international protection. In some cases, it is necessary to apply for this separately.

It has been mentioned that IP is as important to commercial success as business, marketing and financial plans. Smart businesses place their IP alongside other assets on the company balance sheet. E.g., IBM which has developed patent licensing to a fine art, earned \$1.7 billion from its patent portfolio in 2001; Lucent

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took in \$400 m. BT (British Telecoms) says they already get good rewards for filling valuable patents. But the main reward, Mr Rivette says, is when the inventions put to use. "Researchers don't do what they do for the money," he claims. "They have a different DNA from you and me."

To sum up, in a world in which the wealth of nations and peoples is increasingly defined by their access to knowledge, intellectual property is of prime importance. Understanding the role of IP in different areas often requires significant new research and study. In an effort to promote informed discussion of the innovations, various explanatory publications on current issues of interest are regularly produced. The Intellectual Property Digital Library Web site provides access to intellectual property data collections hosted by the World Intellectual Property Organization. These collections include information about patents, trademarks, industrial designs, state emblems, official hallmarks, emblems of intergovernmental organizations and others.

The fact that we pay attention to IP in our country as well is proved by the Ukrainian Constitution. There are the Laws in this area that support the development of industries and sciences in the modern market context. But there is no doubt that the legal base for protecting IP rights in Ukraine have to be improved and elaborated.

# **Exercise 1.** Match the English words and word-combinations given below with their Ukrainian equivalents.

1.stand out from the rest	а. знаходити рішення
2. the backbone of development	b. підсумовувати/ узагальнювати
3. from all walks of life	с. придбати права власника
4. come up with a solution	d. поряд з іншими активами компанії
5. to have value in the marketplace	е. вирізнятися серед інших
6. to collect dust	f. в умовах сучасного ринку
7. to obtain the rights of ownership	g. представники усіх верств населення
8. alongside other assets of the compan	у h. припадати пилом
9. to sum up	і. цінуватися на ринку
10. to support the development of indu	stries j. основа розвитку
11. in the modern market context	k. підтримувати розвиток
	промисловості

# **Exercise 2.** Find the English equivalents for the words and wordcombinations given below. Use them in the sentences of your own.

Власність, конкурентоспроможність, винахід, водопровідник, унікальний, процес виробництва, закуточки свідомості, проте, виняток, електросхема, покладатися на щось, доводити, витривалий/ стійкий, перевага, подавати заяву, окремо, успіх, цінні патенти, дослідник, інше ДНК, добробут нації, доступ до знань, значущий, спроба/ зусилля, поточні питання, цифрова бібліотека, очолювати, торгова марка, приділяти увагу, без сумніву, ретельно розробляти.

**Exercise 3.** *Make the following sentences negative and write questions.* 

*E.*g. Inventors <u>come</u> from all walks of life.

Inventors <u>do not come</u> from all walks of life.

Do inventors come from all walks of life?

- 1. Intellectual property represents the property of your mind.
- 2. Global markets are becoming increasingly aggressive.
- 3. People have developed new ideas to better mankind.
- 4. Innovation and invention have been remaining the backbone of development in countries.
- 5. An intellectual property is any product of the human intellect that is unique and unobvious.
- 6. There is no doubt that they are at home.
- 7. There are the Laws in this area.

**Exercise 4.** Choose the proper answer from the list below.

- 1. Are people searching for the competitive edge in the modern market context?
- 2. Could most inventors be everyday people?
- 3. Do many people let ideas collect dust?
- 4. Does the Digital Library include information about patents?
- 5. Has British Telecom placed intellectual property alongside other assets on the balance sheet?
- a) Yes, they do b) Yes, it does c) Yes, they could d) Yes, it has
- e) Yes, they are

### **PRESENT TENSES**

Grammar Exercise 1. Choose the correct form of the verb.

- 1. I'm speaking / I speak / I'm speak three languages: French, Spanish, and English.
- 2. A Where does Hans come / Hans come / is Hans coming from?
  - **B** He's Swiss. He comes from Zurich.
- 3. A What you do / do you do / are you doing tonight?
  - **B** I'm going out.
- 4. **A** Where's George?

**B** He has / 's having / have breakfast.

- 5. A What means this word / does mean this word / does this word mean?B I don't know. Look it up in the dictionary.
- 6. A Do you want a cigarette?

**B** No, thanks. I don't smoke / no smoke / smoke not.

- 7. Nurses *look / are looking / looks* after people in hospital.
- 8. They understanding / are understanding / understand the problem now.
- 9. John *walk / walks / is walking* to school every day.
- 10. A I'm going to university next year.

**B** What *are you going to / you going to / do you* study?

Grammar Exercise 2. Complete the sentences using one of the following words:

cause(s) close(s) drink(s) live(s) open(s) speak(s) take(s) place

- 1. Ann <u>speaks</u> German very well.
- 2. I never \_\_\_\_\_ coffee.
- 3. The swimming pool \_\_\_\_\_\_ at 9 o'clock and \_\_\_\_\_\_ at 18.30 every day.
- 4. Bad driving \_\_\_\_\_ many accidents.
- 5. My parents \_\_\_\_\_ in a very small flat.
- 6. The Olympic Games \_\_\_\_\_\_ every four years.

**Grammar Exercise 3.** You are writing a letter to a friend. In the letter you give news about yourself and other people. Use the words given to make sentences. Use the present perfect.

#### Dear Chris,

Lots of things have happened since I last wrote to you.

a. I / buy / a new car. *I've bought a new car.* 

- b. My father / start / a new job.
- c. I / give up / smoking.

d. Charles and Sarah / go / to Brazil.

e. Susan / have / a baby.

f. I / visit / my friends / in Italy.

g. We / read / your article / in "The Times".

h. My brother / meet / a popular Japanese writer.

**Grammar Exercise 4.** Put the verbs in the correct form: present simple/ present continuous/ present perfect.

1. We usually grow (grow) vegetables in our garden but this year we aren't growing (not/ grow) any.

2. Lucent \_\_\_\_\_ (say) they already get good rewards for filling valuable patents.

3. Well, actually I \_\_\_\_\_\_ (not/ work) at the moment. I \_\_\_\_\_\_ (train) to

be a supermarket manager.

4. The police \_\_\_\_\_\_ (arrest) two men in connection with the robbery.

- 5. Ron is in London at the moment. He \_\_\_\_\_ (stay) at the Park Hotel. He \_\_\_\_\_ (always/ stay) there when he is in London.
- 6. I \_\_\_\_\_ (drink) four cups of coffee today.

7. George says he's 80 years old but nobody \_\_\_\_\_ (believe) him.

8. Jill is interested in politics but she \_\_\_\_\_ (not/ belong) to a political party.

9. **A** Is Brussels an interesting place?

**B** I've no idea. I \_\_\_\_\_ (never/ be) there.

10. I can't understand why he \_\_\_\_\_ (be) so selfish. He isn't usually like that.

Grammar Exercise 5. Choose the correct form of the verb in the following sentences. Remember that with sentences beginning with the existential there, the subject is actually after the verb.

- a. There (is / are) a storm approaching.
- b. There (is / have been) a number of telephone calls today.
- c. There (is / are) too many people at the party now.
- d. There (has / have) been too many interruptions in this class.
- e. (Is / Are) there professors at the conference?
- f. There (are / aren't) new students in our group.
- g. There (is / has been) an increase in the importation of foreign cars.

Grammar Exercise 6. There are the letters that can be transmuted into the words

from the text. Do it as quickly as it is possible.

# YPPERROT AUNTIIDSRL LEVABAUL YLGNRCNIEISA

# TMEAKR OOTTRPPINUY TNACIFINGIS RADOBELATE

#### ITSTNEICS EWTHESORI CATLIONPUBI ENENENIMTATLOVRGR

CELUNID RABRIYL POLEVED DALERAY

**Grammar Exercise 7.** *Make up your sentences using new words from this unit and present tenses.* 

#### **Final Test**

I. Circle th	e letter of	the underline	ed portion	which is	s not correct.	Put down the
right var	iant.					
1. They says t	<u>his</u> author <u>i</u>	<u>s going to</u> be	e very famo	us.		
A B	С	D				
2. I have been	<u>learning</u> E	nglish <u>from</u> 1	1999.			
A B	С	D				
3. The Departm	nent of Fore	eign Languag	ges <u>are</u> not l	ocated i	n the new buil	lding
A		0 0 0	В		С	0
opposite the	old one.					
D						
4. Garry seldor	n <u>pays his '</u>	bills on time	<u>e,</u> and <u>his</u> br	other <u>do</u>	<u>bes too</u> .	
	А	В	С		D	
5. Peter and To	m <u>plays</u> <u>te</u>	<u>nnis</u> every <u>af</u>	<u>ternoon</u> wit	h <u>Mary</u>	and me.	
	А	В	С		D	
II. Write 5 q	uestions to	the followin	g sentence.			
There is	a lot of rair	in the street	s of Londor	ı but tha	t does not sto	p British
people from go						L
		lined words	with the syn	onyms g	given below.	
1. <u>Do</u> as you ar			,	, (	<b>)</b>	
a)	make	c) behave				
b)	follow	d) dodge				
2. Shake the bla	anket befor		– it's full o	f dust.		
a)	iron	c) wash				
b)	jolt	d) clean				
3. What attracts	s her to the	job is the hig	gh salary an	d the po	ssibility of for	reign travel.
a)	influences			-	-	-

b) shocks d) strikes

- 4. When Mr. Holmes told them he was a doctor their <u>attitude</u> changed.
  - a) decision c) way of thinking
  - b) mentality d) preferences
- 5. She has the feeling he's been avoiding her recently.
  - a) looking at c) keeping apart
  - b) calling d) addressing
- IV. Read sentences and put them in the right order. The first sentence is in the right position.
  - 1. Research your idea thoroughly.
  - 2. Develop the infringement strategy.
  - 3. Select key staff involved in developing, maintaining and protecting your IP.
  - 4. Apply for grants if it's possible.
  - 5. To protect yourself, obtain the rights of ownership.
  - 6. Implement your IP strategy with your company's business and marketing plans.
  - 7. Get your staff to sign agreements relating to confidentiality and competition.
  - 8. List registered (and unregistered) IP and place a dollar value on identified assets.
  - 9. Identify all IP associated with your business.

#### UNIT 2

#### **Computer Systems**

In the early 1980s digital technologies gained popularity beyond computer hobbyists and dramatically altered work and social life. Personal computers promised unprecedented control of information and increased efficiency, creating more time for leisure. Digital Pioneers envisioned a future where networked communication would fuel intellectual exchange and greater individual freedom through direct access to information. California became a magnet for designers seeking to devise neverbefore-imagined products. Although their place in the digital revolution was initially often limited to making computers' protective shells, the introduction of software and the necessity of use-friendly interfaces led to an expanded role that fused skills from graphic design, engineering, and industrial design. In this landscape it was designers who drove the transformation of new technologies into broadly accessible consumer products. Silicon Valley's rapid growth and embrace of risk taking gave rise to a variety of innovative design practices, from iterative prototyping to design research. Visionary design, which anticipated future technologies while pushing collective tolerance for the place of technology in everyday life, became central to the region's culture of "failing forward." Twenty-four-hour connectivity is now widely accepted as the norm, but it was once perceived as too intrusive. Although the means for producing novel digital products may exist, designers and the public do not always share a singular stance toward the social impact of technological developments.

Exercise 1. This text is from San Francisco Museum of Modern Art exposition. Try to outline 5 keywords that reflect the main idea of the text. What made it difficult to understand the text and what helped you?

**Exercise 2.** Use the information in the following reading passage to help you match the terms below with the appropriate explanation or definition.

A processor consists of many different electronic circuits and devices for performing control functions, arithmetic and logic operations, and data transfers. Data may be transferred from backing storage to the internal memory or from the internal memory to the arithmetic unit by means of conductive channels known as buses. The part of the processor which controls data transfers between the various input and output devices is called the control unit.

1.	microprocessor chip	a. used to send address details between the memory and
		the address register
2.	registers	b. consists of an arithmetic-logic unit, one or more
		working registers to store data being processed, and

3. accumulators c. a group of signal lines used to transmit data in parallel from one element of a computer to another

accumulators for storing the results of calculations

- 4. control bus d. groups of bistable devices used to store information in a computer system for high-speed access
- 5. address bus
  e. an electronic circuit, usually a quartz crystal, that generates electronic pulses at fixed time intervals to control the timing of all operations in the processor
  6. data bus
  6. used for storing part of the operating system and application software known as 'firmware'; can only be read; cannot be written to or altered in any way

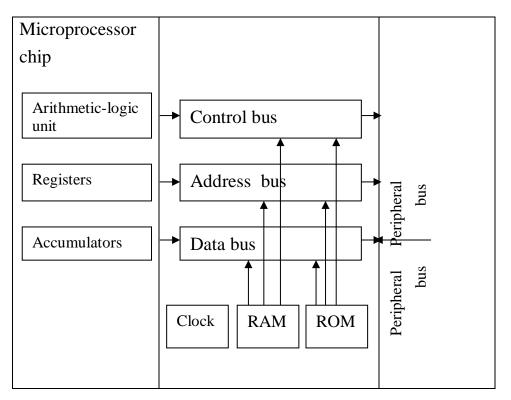
7.	clock	g. used to store numeric data during processing
8.	RAM	h. a group of signal lines dedicated to the passing of
		control signals
9.	ROM	i. used for the temporary storage of application
		programs and data; can be written to and read from

**Exercise 3.** Fill in the gaps using the words below and the information from the previous exercise. Look at the diagram and try to complete it.

accumulators adaptor boards buses clock conductive input or output devices microprocessor registers system board

#### Structure of the processor

The processor consists of a (1)\_\_\_\_\_\_\_, which is a circuit board on which are mounted (2)\_\_\_\_\_\_\_\_ chips, memory chips, and other components linked together by (3)\_\_\_\_\_\_\_ lines or channels in the form of control, address, and data (4)\_\_\_\_\_\_\_. In addition, a processor has (5) \_\_\_\_\_\_\_, which are electronic circuits providing specialized functions such as graphics, or which connect a system board to (6)\_\_\_\_\_\_\_. The system board also consists of electronic devices, such as an electronic (7)\_\_\_\_\_\_\_ for controlling the speed of operation: (8)\_\_\_\_\_\_, which store numeric data during the course of processing; and various (9)\_\_\_\_\_\_, including sequence control register, address register, and function register.



#### NOUNS

# **Grammar Exercise 1.** Put the words in the box in pairs (one uncountable, one countable)expressing similar ideas.

*E.g.* furniture – table ...

accom	modation	advertisement	bagg	gage	bank	knote	bread	cars	fact
flat	furniture	information	job	journ	ey	loaf	money	public	city
	suitcase	table	tra	affic		travel	W	ork	

Grammar Exercise 2. Write the plural of the following nouns.

1.	Wife	9. Handkerchief
2.	Stepmother	10. Father – in - law
3.	Bus	11. Quiz
4.	Sheep	12. Mouse
5.	Workbook	13. Parking space
6.	Hero	14. Photo
7.	Way	15. Dictionary
8.	Analysis	16. Politics

Grammar Exercise 3. Choose the correct determiners in the following sentences.

- 1. He doesn't have (many / much) money.
- 2. I would like (a few / a little) salt on my vegetables.
- 3. She bought (that / those) postcards last night.
- 4. There are (less / fewer) students in this room than in the next room.
- 5. There is (too much / too many) bad news on television tonight.
- 6. I do not want (these / this) water.
- 7. This is (too many / too much) information to learn.
- 8. A (few / little) people left early.
- 9. Would you like (less / fewer) coffee than this?
- 10. This jacket costs (too much / too many).

Grammar Exercise 4. Fill in <u>a</u>, <u>an</u> or <u>some</u> where necessary.

- 1. We booked ..... room in the Grand Hotel.
- 2. The police found ...... glass from the broken window on the ground.
- 3. There is ..... room for five people in my car.
- 4. She usually drinks ...... glass of orange juice in the morning.
- 5. I need ..... paper to write my letters on.

- 6. He decided to buy ..... paper to read on the train.
- 7. I saw ...... nice trousers and ..... lovely dress in a shop today.
- 8. The statue is made of ..... iron.
- 9. I have got .....iron, but it is very old.
- 10.I am going to buy ..... umbrella.

### Grammar Exercise 5. Fill in is or are.

- 1. Be careful! Those scissors ..... very sharp.
- 2. Maths ...... John's favorite subject at school.
- 3. The police ..... investigating the crime.
- 4. These trousers ..... too big for me.
- 5. The stairs in my house ..... made of wood.
- 6. His new furniture ..... very modern.
- 7. The weather ..... going to be bad this weekend.
- 8. My advice ..... that you get a new job.
- 9. His new clothes ..... very fashionable.
- 10. The team ...... all training hard for Saturday's match.
- 11. The money in the jar ..... for this week's shopping.
- 12. My pyjamas ..... not on my bed. Where ..... they?
- 13. Mumps ..... a childhood disease.
- 14. My luggage ..... in the car already.

#### Grammar Exercise 6. Choose the best combination for each blank.

Class is	club has	orchestra is	school has	staff do
Class are	club have	orchestra are	school have	staff does

1a In England, a state \_\_\_\_\_\_to give time to religious education.

1b My daughter's \_\_\_\_\_\_ decided to hold their sports day next Saturday.

2a The \_\_\_\_\_ given \$5,000 to charity this year.

2b The \_\_\_\_\_\_ fifty per cent more members than a year ago.

3a The \_\_\_\_\_ not like the new manager.

3b The \_\_\_\_\_ not need to be increased.

4a Jane's\_\_\_\_\_in Room 6.

4b Our \_\_\_\_\_ planning a party.

5a The \_\_\_\_\_ just turning up – let's hurry in.

5b An \_\_\_\_\_\_ composed of string, wind, and percussion instruments.

**Grammar Exercise 7.** *Put in* <u>a / an</u> *or* <u>the</u> *where necessary. Leave an empty space if the sentence is already complete.* 

- 1. I don't usually like staying at \_\_\_\_\_ hotels, but last summer we spent a few days at \_\_\_\_\_ very nice hotel by \_\_\_\_\_ sea.
- tennis is my favorite sport. I play once or twice \_\_\_\_\_ week if I can, but I'm not \_\_\_\_\_ very good player.
- 3. I won't be home for \_\_\_\_\_ dinner this evening. I'm meeting some friends after \_\_\_\_\_ work and we're going to \_\_\_\_\_ cinema.
- unemployment is very high at the moment and it is very difficult for \_\_\_\_\_ people to find \_\_\_\_\_ work.
- There was \_\_\_\_\_\_ accident as I was going \_\_\_\_\_ home last night. Two people were taken to \_\_\_\_\_\_ hospital. I think \_\_\_\_\_ most accidents are caused by \_\_\_\_\_ people driving too fast.
- Carol is \_\_\_\_\_\_ economist. She used to work in \_\_\_\_\_\_ investment department of \_\_\_\_\_\_ Lloyds Bank. Now she works for \_\_\_\_\_\_ American bank in \_\_\_\_\_ United States.
- 7. A: What's \_\_\_\_\_ name of \_\_\_\_\_ hotel where you're staying?
  B: \_\_\_\_\_ Imperial. It's in \_\_\_\_\_ Queen Street in \_\_\_\_\_ city centre. It's near \_\_\_\_\_ station.
- 8. I have two brothers. \_\_\_\_\_ older one is training to be \_\_\_\_\_ pilot with \_\_\_\_\_ British Airways. \_\_\_\_\_ younger one is still at \_\_\_\_\_ school. When he leaves \_\_\_\_\_ school, he hopes to go to \_\_\_\_\_ university to study \_\_\_\_\_ law.

## **Final Test**

- I. Choose the correct answer(s). One or more answers may be correct.
  - 1. It's ... weather. a) terrible b) a terrible c) the terrible d) an awful
  - 2. I like ... small animals. a) the b) (nothing) c) every d) all
  - 3. Who are ... people over there? a) that b) the c) these d) those
  - 4. ... a hole in my sock. a) There's b) It's c) There is d) It is e) Is
  - 5. ... is your phone number? a) Which b) What c) How d) There e) It
  - 6. *The plural of* car *is* cars. *Which of these are correct plurals?*a) journeys b) ladys c) minuts d) sandwichs e) babies

- 7. Her eyes ... very light blue. a) are b) have c) has d) is
- 8. I found ... money under my bed this morning.
  - a) a b) an c) some d) (nothing)

II. Translate into English the following sentences.

- 1. В Грузії вирощують чай, бавовну та рис. (There is / There are...)
- 2. Риба їх улюблена страва.
- 3. Інформація, яку ви нам надсилаєте, не точна.
- 4. Яка цікава робота!
- 5. Моя сестра дуже любить фрукти.
- 6. Ця шафа зроблена з натурального дерева.
- 7. Біля дерева немає квітів.
- 8. Компанія використовує нерухомість в комерційних інтересах.

III. Find and put down variants of words' pronunciation and translation. Test your memory, covering the columns in turns.

Word	Pronuncia- tion	Transla- tion	Word	Pronuncia- tion	Transla- tion
Advisable			Infinite		
Agreement			Law		
Basis			Ornamentation		
Consumer			Proprietary		
Device			Public		
Directly			Purchase		
Distinguish			Requirement		
Employee			Sculpture		
Enforceable			Trademark		
Enterprise			Unique		
Essential			Vulnerable		

IV. Complete the sentences with one of the words from exercise 2.

1. The \_\_\_\_\_\_ price of new computer equipment is very high.

2. In a large organization, good internal communication is \_\_\_\_\_

3. The new \_\_\_\_\_\_ will be passed by Parliament in the spring.

4. Applicants must satisfy the \_\_\_\_\_\_ for admission to the university.

5. His British lawyer arrived at Frankfurt airport this morning and went \_\_\_\_\_\_

to the prison.

6. \_\_\_\_\_\_ is a decoration added to something to make it more beautiful.

7. Our \_\_\_\_\_\_ is that you would pay by the first of the month.

8. The possibilities are \_\_\_\_\_.

9. This teacher is with \_\_\_\_\_ patience.

10. It is wonderful to have labor-saving \_\_\_\_\_ like the dishwasher and the microwave.

11. Each person's DNA is \_\_\_\_\_\_.

12. There are \_\_\_\_\_ who are employed on a seasonal or temporary \_\_\_\_\_.

# UNIT 3

# **Computer Software**

It starts with a guessing game. On a laptop's virtual blackboard, Subutai Ahmad draws a square, adds an "L" on its back to the square, and puts a "T" on top. "What's that?" asks the vice-president of the startup company Numenta. A milk pot? A car trailer? No. The computer replies that the most likely object illustrated is ... helicopter!

Even though this may appear like a game from the computer stone age, the demonstration gives us a look into the future of data processing. Supercomputers may play chess perfectly or help meteorologists forecast the weather. But the risk of differentiating a cat from a dog is still difficult for machines.

Human brains work in parallel, in contrast to computer processors that calculate serially. "We believe," Ahmad says, "that computers can get close to the processing power of our brains if the software architecture is based on our cerebral cortex." And this is what the program demonstrates – at least in principle. Even if so-called neural networks in the 1990s may have been able to show similar skills, what's special about the program is the hidden design of the software. "In Numenta's opinion," says Ahmad, "this marks a new beginning for the computer industry, just like the revolution of the microchip more than half a century ago."

The ambitions of Numenta are shared by scientists and engineers around the world working on artificially rebuilding our neuronal command center with software and microprocessors. Not only do they develop neuronally inspired software, they imitate our thinking tissue through the use of detailed simulations and even build hardware versions of the neocortex. The goals are powerful computers, details about the structure of our brain and the hope of uncovering secrets of our consciousness.

At the end of the 1980s, a graduate student at the University of California, Berkeley, was refused permission to build a software model of the brain for his dissertation. The student, Jeff Hawkins, then headed for Silicon Valley, where he invented the PalmPilot, and a few years later, the Treo smartphone. Numenta is the latest company started by the wealthy 50-year-old individualist. Its selling point: Numenta is developing an algorithm similar to the one that governs our cognitive abilities.

Hawkins's project builds on a theory by Vernon Mountcastle, a neurobiologist who in 1970s pointed out that in the neocortex all the neurons are organized in the same way, even though different areas of the cortex perform different functions. Horizontally they are divided into layers, and vertically into columns. Mountcastle realized that they are governed by the same algorithm. The only difference is the kind of information they process.

Based on this idea, Hawkins suggests neural processing in the neocortex works as follows. Our thinking, and Numenta's software, is based on predictions, which follow from memories. Memories that help us make predictions are created over time by analyzing incoming sensory information level by level, until a pattern is filtered from the initial data chaos. These concepts help us to make predictions of the future when similar events happen.

But not everyone is convinced. Bob Knight, a neuroscientist at UC Berkley, says that Hawkins' theory is compatible with our current knowledge of how the brain works. But he points out that the theory lacks details and experimental proofs.

Other brain engineers still want to copy the brain. The neuroscientist Henry Markram and his team at the Blue Brain Project at the Swiss Federal Institute of Technology in Lausanne are making a complete digital version of the brain, based on the latest scientific data. That is, they are not making a model of the whole brain, just one basic element, a column that is made of layers of the neocortex. And, to keep it simple, they do not simulate a human brain's column, but one of a rat's brain. But the scientists now hope to simulate larger brain structures step by step. **Exercise 1.** Find the English equivalents for the words and word- combinations given below. Use them in the sentences of your own:

Обробка даних, кора головного мозку, обчислювальна потужність, мережа, аспірант, виконувати різні функції, свідомість, керувати, вказувати, закономірність, прогноз, останні наукові дані, заможний.

**Exercise 2.** This text was published in Business Spotlight. Try to outline 5 keywords that reflect the main idea of the text. What made it difficult to understand the text and what helped you?

Exercise 3. Make a research study regarding popular software that is used by your groupmates. Find out information regarding popular software downloads. Draw the diagram and present your results to the group.

**Exercise 4.** Find synonyms of the given below words and make up your own sentences.

Appear Common To Head Initial Latest Reply To Simulate To Work **Exercise 5.** *Put one of these words in each sentence:* 

broadcast confidentiality contract (2) copyright (2) hold(s) important information infringement intellectual know-how legal (2) permission (2) property protection secret

 1. If you own \_\_\_\_\_\_\_ on something, it is \_\_\_\_\_\_\_, and other people must pay you to \_\_\_\_\_\_, publish, or perform it. 2. The court case was brought to decide who \_\_\_\_\_\_\_. 3. \_\_\_\_\_\_\_. 3. \_\_\_\_\_\_\_ is a situation in which \_\_\_\_\_\_\_ must be kept \_\_\_\_\_\_. 4. The Chinese are buying products, equipment, and \_\_\_\_\_\_\_ from abroad. 5. Copying this videocassette without \_\_\_\_\_\_\_ would be an \_\_\_\_\_\_\_ of copyright. 6. The company filed for court \_\_\_\_\_\_\_ from its creditors. 7. You may wish to seek \_\_\_\_\_\_\_ advice before signing \_\_\_\_\_\_. 8. The driver's blood-alcohol level was three times the \_\_\_\_\_\_\_ limit. 9. The company has applied to court for \_\_\_\_\_\_\_ to renegotiate \_\_\_\_\_\_.

#### **MODAL VERBS**

#### Grammar Exercise 1. Rewrite the following sentences in future and past.

- 1. They can read English books.
- 2. We must go home before it gets dark.
- 3. You may take my dictionary and keep it.
- 4. The manager is to arrive at 3 p.m.

5. I have to leave now.

# Grammar Exercise 2. Find mistakes in the following sentences.

- 1. My granny doesn't can use a smartphone.
- 2. My brother can play chess when he was 5.
- 3. Does Alex has to leave before the end of the class?
- 4. I am so angry with him. I must kill him!
- 5. He could do this work without my help?
- 6. Jane can be able to help you.
- 7. What have I to do to get a driver's license?
- 8. Carol needn't get bored in her job. She does the same thing every day.
- 9. I was to the cinema last week.

10. I haven't decided yet where to spend my holidays. I have to go to Ireland.

# Grammar Exercise 3. Complete the following sentences.

- 1. Perhaps mother is in the garden. Mother \_\_\_\_\_\_.
- 2. John's advice is often quite useful. \_\_\_\_\_ can \_\_\_\_\_.

3. It's necessary for you to learn this route. You \_\_\_\_\_\_.

- 4. We arranged to have dinner together. \_\_\_\_\_ are \_\_\_\_\_.
- 5. The device is probably very expensive. \_\_\_\_\_ be \_\_\_\_\_.
- 6. The child is frequently very annoying. \_\_\_\_\_ can \_\_\_\_\_.
- 7. It's necessary for you to come home early tonight. You \_\_\_\_\_\_.
- 8. Possibly the dog is hungry. The dog \_\_\_\_\_
- 9. The doctor agreed to come tonight. \_\_\_\_\_\_ is to \_\_\_\_\_\_.
- 10. The children are presumably very happy now. \_\_\_\_\_ be \_\_\_\_\_.

**Grammar Exercise 4.** Fill in the gaps with the following modal verbs or their equivalents in the right form. Sometimes more than one verb is appropriate.

canmaymustbe toshouldneed1. \_\_\_\_\_you help me in any way?

2. He is in Paris now. He \_\_\_\_\_ be in London.

3. \_\_\_\_\_ I use your phone.

4. I \_\_\_\_\_\_ the party early last night. I wasn't very well.

5. The chidren are happy because they \_\_\_\_\_ (not) do any homework today.

- 6. It's later than I thought. I \_\_\_\_\_ go now.
- 7. You \_\_\_\_\_\_ see any elephants in Siberia.
- 8. You \_\_\_\_\_\_ turn on the light; I can see quite well.

- 9. He be at home now. Let's ring him up. I'm sure he is there.
- 10. We've got plenty of time. We don't \_\_\_\_\_\_ to hurry.
- 11. Sue \_\_\_\_\_\_ to help them tomorrow.
- 12. \_\_\_\_\_ I have a word with you, please?
- 13. I generally leave work at 6 p.m., but I \_\_\_\_\_ leave earlier on Fridays.
- 14. He \_\_\_\_\_ be at home. He \_\_\_\_\_ be out.
- 15. Did he really do that? He \_\_\_\_\_ be crazy.
- 16. We \_\_\_\_\_ ring the bell. I've got a key.
- 17. A Zoo notice: Visitors \_\_\_\_\_\_ feed this animal.
- 18. I have got five lottery tickets. I \_\_\_\_\_\_ win something.

Grammar Exercise 5. Write questions to the following answers. Use modal verbs.

1. \_\_\_\_\_ I could when I was a child. 2. \_\_\_\_\_ No, it's too difficult. 3. \_\_\_\_\_ Half an hour. 4. \_\_\_\_\_ Unfortunatelly, I can't. 5. \_\_\_\_\_ Maybe, I don't know. 6. \_\_\_\_\_ Do, please. **Grammar Exercise 6.** *Make up the sentences with the given words.* i.books/ have/ many/ you/ buy/ so/ why/ did/ to? ii.the/ Ukrainian/ can/ into/ article/ she/ translate? iii.like/ you/ any/ may/ book/ take/ you. iv.sure/ he/ tonight/ am/ may/ not/ come/ but/ I. v.help/ she/ my/ was/ without/ able/ it/ to/ do. vi.I/ him/ a/ but/ letter/ I/ to/ send/ was/ forgot. vii.I/ you/ what/ not/ forget/ must/ you/ told. viii.job/ wear/ have/ in/ uniform/ you/ your/ to/ do/ a? ix.be/ he/ you/ with/ must/ angry. x.time/ we/ in/ must/ station/ walk/ the/ fast/ to/ to/ get.

Grammar Exercise 7. Translate the following sentences into Ukrainian.

- 1. Я зможу почати роботу завтра вранці.
- 2. Я не можу зараз підготувати цю документацію, в мене немає часу.
- 3. Він зможе зустріти цих інженерів завтра о п'ятій годині.
- 4. Ви обов'язково повинні запросити їх на ланч.
- 5. Ти можеш розповісти мені про це? Ні не можу.
- 6. Ви дуже добре розмовляєте англійською. Вам багато доводиться над ним працювати?
- 7. Їй сьогодні треба залишитись вдома, її дитина захворіла.

**Grammar Exercise 8.** Study the situations and respond to each one using an appropriate modal verb.

- 1. You want to have a day off work next week. Ask fot your boss' permission.
- 2. You are at a job interview. You type fast, you use computers and you speak two foreign languages. Tell the interviewer about your abilities.
- 3. You are in the car wih your friend. It's hot and you want him to open the window. Make a request.

### **Final Test**

I. Substitute the underlined words with the synonyms given below.

- 1. It is potentially more <u>costly</u> than defending registered rights.
  - a) problematic b) cheap c) expensive d) affordable
- 2. Trade secrets are difficult to maintain over longer periods.
  - 1. keep b) support c) ralize d) store
- 3. Time limit <u>varies</u> according to the nature of the work.
  - a) changes b) fluctuates c) differs d) dpends
- 4. It is free and automatically <u>safeguards</u> your original works of art, literature, etc.
  - a) sacrifies b) develops c) keeps d) protects
- 5. It can also act as a <u>deterrent</u> to potential infringers.

a) protection b) defence c) restrain d) authority

6. You are <u>vulnerable</u> when employees with this knowledge leave your firm.

a) unsafe b) dangerous c) unhappy d) unfair

7. You need to be careful not to restrict the contractor's right to earn a living.

a) increase b) enter c) limit d) exaggerate

II. Match the words given blow with their definitions.

a) a series of actions or events that together show how
things normally happen or are done
b) information or evidence that shows that something
is definitely true or definitely exists
c) to produce the features of something in a way that
seems real but is not
d) a system of lines or similar things such as roads or
wires that are connected to each other
e) a statement about what is likely to happen, based on
available information and usually relating to the
weather, business, or the economy

III. Choose the correct form of the verb.

- 1. A: *Could/ May/ Shall* you tell me the time, please.
  - **B**: Yes. It's a quarter past ten.
- 2. A: Shall/ Would/ Could I speak to Jenny, please.

**B**: I'm sorry, she is not here at the moment.

- A: Oh. Must/ Shall/ Would I call later, then?
- 3. A: *Can/ Shall/ May* you post this letter for me, plase?B: Certainly. I will do it on my way home from work.
- 4. A: Did you call Jane?
  - **B**: No, I *needn't/ mustn't* because I saw her at work.
- 5. A: You *mustn't/ needn't/ couldn't* lock the door.

**B**: Oh, will you do it when you leave?

#### IV. Choose the correct answer.

- 1. A letter arrives at your house. You are sure it is from Paul.
  - a) It might be from Paul. b) It must be from Paul.
- 2. You want your neighbor to babysit for you tonight.
  - a) Would you babysit for me tonight? b) Must you babysit for me tonight?
- 3. You are looking for your scarf. You think it is upstairs.
  - a) It can't be upstairs. b) It could be upstairs.
- 4. You have toothache. Your mother gives you some advice.
  - a) You may go to the dentist. b) You should go to the dentist.

# UNIT 4

# **Functional Organisation Of the Computer**

In general, the term computer is used to describe a device made up of a combination of electronic and electromechanical components. As it has been mentioned before, computer has no intelligence by itself and is referred to as hardware. A computer system is a combination of five elements: hardware, software, people, procedures, data / information.

When one computer system is set up to communicate with another computer system, connectivity becomes the sixth system element. In other words, the manner in which the various individual systems are connected (e.g., by phone lines, microwave transmission, or satellite) is an element of the total computer system.

Computer hardware can be divided into four categories: (1) input hardware, (2) processing hardware, (3) storage hardware, (4) output hardware.

Hardware comes in many configurations, depending on what the computer system is designed to do. Hardware can fill several floors of a large office building or can fit on your lap.

Looking through the definitions given below fill in the gaps with the following words:

CD, hard disk, input hardware, keyboard, light pen, memory, microphone, modem, monitor, mouse, output hardware, printer, processing hardware, RAM, ROM, scanner, storage hardware, thumb drive, video camera.

The purpose of (1)\_\_\_\_\_\_ is to provide the user with the means to view information produced by the computer system. Information is output in either hardcopy or softcopy form. Hardcopy output can be held in your hand, such as paper with text (word or numbers) or graphics printed on it. Softcopy output is displayed on a monitor.

(2)\_\_\_\_\_ is a component with a display screen for viewing computer data, television programs, etc.

(3)\_\_\_\_\_ is a computer output device that produces a paper copy of data or graphics.

(4)\_\_\_\_\_\_ is an example of communication hardware – an electronic device that makes possible the transmission of data to or from computer via telephone or other communication lines.

The purpose of the (5)\_\_\_\_\_\_ is to collect data and convert it into a

form suitable for computer processing. The most common input device is a (6)\_\_\_\_\_\_\_. The (7)\_\_\_\_\_\_\_\_ is a hand held device that can be connected to the computer by small cable or without it. As it is rolled, the cursor moves across the screen. When the cursor reaches the desired location, the user usually pushes a button once or twice to signal a menu selection or a command to the computer. The (8)\_\_\_\_\_\_\_ uses a light sensitive photoelectric cell to signal screen position to the computer. Another type of input hardware is (9)\_\_\_\_\_\_ that is used to input graphics as well as typeset characters. (10)\_\_\_\_\_\_ and (11)\_\_\_\_\_\_ can be also used to input data into the computer.

The purpose of (12)\_\_\_\_\_\_ is retrieve, interpret and direct the execution of software instructions provided to the computer. The most common components of it are the Central Processing Unit (CPU) and main memory.

CPU is the brain of the computer. It reads and interprets software instructions and coordinates the processing activities that must take place. The design of the CPU affects the processing power and the speed of the computer, as well as the amount of main memory it can use effectively. With a well-designed CPU in your computer, you can perform highly sophisticated tasks in a very short time.

(13)\_\_\_\_\_\_ is the system of PC component in which information is stored. There are two types of it:

(14)\_\_\_\_\_ is the volatile computer memory, used for creating loading, and running programs and for manipulating and temporarily storing data;

(15)\_\_\_\_\_ is nonvolatile, nonmodifiable computer memory, used to hold programmed instructions to the system.

The more memory you have in your computer, the more operations you can perform.

The purpose of (16)\_\_\_\_\_\_ is to store computer instructions and data in a form that is relatively permanent and retrieve when needed for processing. This hardware serves the same basic functions as do office filing systems except that it stores data as electromagnetic signals. The most common ways of storing data are: (17) \_\_\_\_\_\_, that is a rigid disk coated with magnetic material, for storing

programs and relatively large amounts of data;

(18)\_\_\_\_\_\_ that is a small round piece of hard plastic with sound recorded on it or computer information stored on it. There are recordable, rewritable or readonly memory types of compact disc;

(19)\_\_\_\_\_\_ is a data storage device that includes flash memory with an integrated USB interface. It is typically removable, rewritable and much smaller than an optical disc.

**Exercise 1.** Find the English equivalents for the words and word- combinations given below. Use them in the sentences of your own.

Призначення, з`єднувати, бажане місцезнаходження, керувати виконанням інструкцій, виконувати складні завдання, постійний, тимчасово збережені дані, нестійкий, відносно маленька кількість, за виключенням, вкритий спеціальним матеріалом.

**Exercise 2.** Which of the listed below statements are true/false.Specify your answer using the text.

- 1. Computer is an electronic device therefore hardware is a system of electronic devices.
- 2. The purpose of the input hardware is to collect data and convert it into a form suitable for computer processing.
- 3. Scanner is used to input graphics only.
- 4. The purpose of processing hardware is to retrieve, interpret and direct the execution of software instructions provided to the computer.
- 5. CPU reads and interprets software and prints the results on paper.
- 6. User in unable to change the contents of ROM.
- 7. Modem is and electronic device that makes possible the transmission of data from one computer to another via telephone or other communication lines.
- 8. Printer is a processing hardware because its purpose is to show the information produced by the system.
- 9. An empty CD you can use only once to record music or information from a computer.
- *10.* The purpose of storage hardware is to store computer instructions and data in a form that is relatively permanent and retrieve them when needed.

**Exercise 3.** *Discuss the following questions in small groups:* 

- What parts are essential for PC operation?
- What is the most expensive part of the hardware?
- What other hardware devices do you know? What are they for? Do you know how to use them?

# ADJECTIVES/ ADVERBS

## Grammar Exercise 1. Fill in the gaps with the correct adjective from the list.

**loud warm narrow dark hot strong tired old comfortable bright long** It was cold 1)...... night. There was a 2).....wind blowing and it was starting to rain. James was driving home after a 3)......day at work and he was very 4)...... The road he was driving along was 5).....and winding, but it was the quickest way home. Suddenly, there was a 6)......flash of lightning and a 7).....crash of thunder as the storm broke. Jame's car was 8)....., but he put his foot down because he wanted to get home quickly. He wanted to sit in his 9).....chair by the 10)......fire and drink a cup of 11).....coffee.

**Grammar Exercise 2.** *Identify the adjective or the adverb in each sentence, as in the example.* 

1. Tom is very <u>clever</u>. (adjective)

2. He slowly left the room.

- 3. The exam was difficult.
- 4. Ue's house is always tidy.
- 5. Laser beams are used extensively in surgery.
- 6. Sarah smiled happily.
- 7. The teacher was angry.
- 8. Sad songs made me cry.
- 9. She quietly closed the door.

10.It's easy to make mistakes.

Grammar Exercise 3. Turn the following nouns into adjectives.

Interst, beauty, wonder, success, danger, help, doubt, access, form, fame, difference, use, activity, comfort, youth, absence, France, China, Japan, cold, length, nature.

**Grammar Exercise 4.** *Turn the following words into adverbs.* 

Slow, quiet, easy, fast, soon, early, often, hard, lat, bright, usual, attentive, good, bad, noisy, fluent, happy, quick, loud, lazy, possibility, simplicity, system, hope, pretty. **Grammar Exercise 5.** *Fill in the gaps with the correct words*.

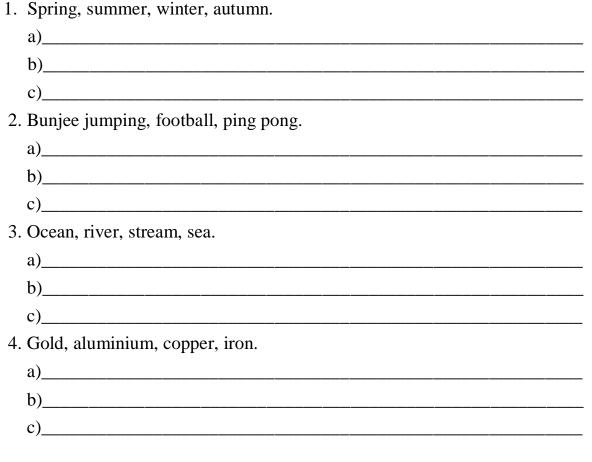
- 1. He is \_\_\_\_\_(good/ well) at languages.
- 2. He speaks English \_\_\_\_\_ (good/ well).
- 3. Walk \_\_\_\_\_ (quick/ quickly)! You are very \_\_\_\_\_ (slow/ slowly).
- 4. Golf is \_\_\_\_\_ (rlax/ relaxing/ relaxingly). I don't like playing it \_\_\_\_\_ (quick/ quickly).

- 5. He works \_\_\_\_\_ (hard/ hardly).
- 6. I always do things \_\_\_\_\_ (quick/ fast).
- 7. Maria speaks English \_\_\_\_\_ (good/ fluently).
- 8. Professor remained \_\_\_\_\_ (sad/ sadly).
- 9. The flowers smell \_\_\_\_\_ (sweet/ well).
- 10.Mary feels \_\_\_\_\_ (bad/ well) about her test grade.
- 11.Children often become \_\_\_\_\_ (boring/ bored) at the meetings.
- 12.It sounds \_\_\_\_\_ (interesting/ well).

# Grammar Exercise 6. Cross out the unnecessary word.

- 1. Mark's voice is very much louder than Alan's.
- 2. Mrs. Smith is the most oldest teacher in the school.
- 3. Playing golf isn't as more tiring as playing football.
- 4. As time went by, it got darker and the darker.
- 5. The more you study, the better than your marks will be.
- 6. This task is the less difficult than the others.
- 7. Jane is as much tall as Sarah.
- 8. It was a quite an exciting film.

# Grammar Exercise 7. Compare the following nouns.



# **Grammar Exercise 8.** Fill in the gaps with the appropriate forms of adjectives or adverbs.

- 1. The hotel was surprisingly big. I expected it to be .....
- 2. February is ..... than March.
- 3. You're sitting too near to the TV-set. Can you move a bit ..... away?
- 4. We have ..... rain in summer than in autumn.
- 5. My eldr brother is .....than me.
- 6. Is your headache better? No, it's .....
- 7. I know him well probably .....than anybody else.
- 8. Nina is .....than her husband is.

Grammar Exercise 9. Make up the sentence with the given words.

- 1. news/ let/ hear/ me/ further/ know/ you/ any/ if.
- 2. station/ this/ way/ to/ is/ the/ the/ shortst.
- 3. possible/ the/ as/ as/ letter/ short/ be/ must.
- 4. why/ come/ moment/ does/ the/ see/ he/ to/ worst/ always/ me/ at/ possibl?
- 5. usual/ the/ than/ was/ center/ crowded/ city/ less.
- 6. first/ her/ at/ illness/ thought/ was/ we/ much/ than/ serious/ more.
- 7. enough/ you/ know/ well/ English.
- 8. down/ the street/ straight/ go.
- 9. lately/ not/ I/ there/ have/ been.

#### **Final Test**

- I. Find the proper continuation for the following sentences.
  - 1. ROM is.....
    - a) rigid disk coated with magnetic material, for storing computer programs and relatively large amounts of data.
    - b) volatile computer memory, used for creating, loading, and running programs and for manipulating and temporarily storing data; main memory .
    - c) nonvolatile, nonmodifiable computer memory, used to hold programmed instructions to the system.
  - 2. Modem is.....
    - a) a thin, usually flexible plastic disk coated with magnetic material, for storing computer data and program.

- b) A set of key, usually arranged in tires, for operating a typewriter, typesetting machine, computer terminal, or the like.
- c) An electronic device that makes possible the transmission of data to or from computer via telephone or other communication lines.
- 3. The CPU is.....
  - a) the part of a television or computer on which a picture is formed or information is displayed.
  - b) the key component of a computer system, containing the circuitry necessary to interpret and execute program instructions.
  - c) a palm-sized device equipped with one or more buttons, used to point at and select items on a computer display screen and for controlling the cursor by means of analogous movement on a nearby surface.

II. The definitions of what other computer components are mentioned in the previous task?

III. Which of the listed below terms have the same equivalents in your native language:

computer, Internet, metal, processor, scanner, information, data, microphone, modem.

IV. Circle the letter of the underlined portion which is not correct. Put down the right variant.

1. I was <u>disappointed</u> that <u>my</u> exam results <u>were</u> so <u>badly</u>. Α B C D 2. Last night I went to bed early than usual. А В С D 3. I am <u>afraid</u> the <u>problem</u> is <u>complicated</u> than it <u>seems</u>. Α С D В 4. You will find your way around the town easy if you use google map. Α В С D 5. Accommodation here is expensive than in my country. В С A D 6. <u>The city is crowded than it used to be</u>. A В С D 7. Everest is the high mountain in the world. С A B D 8. Rose is terrible upset about losing her job.

9. Linda <u>likes wearing colorfully clothes</u>.
A B C D
10. Do you <u>usually</u> feel <u>nervously</u> before <u>your</u> examinations?
A B C D
UNIT 5

#### Websites

There is a huge collection of documents that are connected by hypertext links and can be accessed through the Internet. One day I came across Alfred Nobel's unique will that was behind the entire Nobel system. Who was he and why did he want to donate his entire fortune to an international award? There is an answer in the Nobel Museum (<u>http://nobelcenter.se/; https://www.stockholm.com/en/view/thenobel-museum</u>) in the heart of Stockholm the Old Town (Gamla Stan) which has the Exhibition that acquaints us with Alfred Nobel as the idealist, inventor, entrepreneur, and cosmopolitan, along with the international perspective that distinguished his life and will.

After inventing a dynamite, Swedish-born Alfred Nobel became a very rich man. However he foresaw its universally destructive powers too late. Nobel preferred not to be remembered as the inventor of dynamite, so in 1895, just two weeks before his death, he created a fund to be used for awarding prizes to people who had made worthwhile contributions to mankind. Nobel's original legacy of nine million dollars was invested, and the interest on this sum is used for the awards which vary from \$30,000 to \$125,000. Originally there were five awards: literature, physics, chemistry, medicine and peace. Economics was added in 1968, just sixty-seven years after the first awards ceremony.

Every year on December 10, the anniversary of Nobel's death, the awards (gold medal, illuminated diploma, and money) are presented to the winners. The Nobel Prize Ceremony in the Concert Hall and the banquet at the City Hall (with the famous Nobel ice cream on the menu) are only the tip of the iceberg of the Nobel system. The Centennial Exhibition, in the Museum that has been mentioned earlier, describes this unique system, which handles nominations from all over the world and a great number of expert opinions – work that has been carried out continuously by the various Nobel committees during the past 100 years. Sometimes politics plays an important role in the judges' decision. Americans have won numerous science awards, but relatively few literature prizes.

No awards were presented from 1940 to 1942 at the beginning of World War II. Some people have won two prizes, but this is rare; others have shared their prizes. For example, twice honored in 1903 (in Physics) and 1911 (in Chemistry), the Nobel Prize in was awarded to Marie Curie, for her research on radiation phenomena, including the discovery of two new elements -- Radium and Polonium. And in 1987, Georg Bednorz shared the Nobel Prize in Physics with his mentor, K. Alex Múller "For their important breakthrough in the discovery of superconductivity in ceramic materials." Their breakthrough, accomplished in an IBM research lab in Switzerland, centered around the fabrication of a new copper-oxide compound that was superconducting at temperatures high enough to dramatically extend the applications of superconductors.

Ivan Pavlov (1904), Ilya Mechnikov (1908), Nikolay Semenov (1956), Boris Pasternak (1958), Nicolay G. Basov and Aleksandr M. Prokhorov (1964), Mikhail Sholokhov (1965), Alexander Solzhenitsyn (1970), Wassily Leontief (1973), Andrei Sakharov (1975), Pyotr Kapitsa (1978), Mikhail Gorbachev (1990), Alexei A. Abrikosov (2003) and lots of other so called natives received awards in medicine, chemistry, literature, physics, economics and peace.

The Nobel Museum illustrates a century of creativity. Follow the changes of the 20th century through the Nobel Prize and the Laureates. You can explore the work and the ideas of more than 700 creative minds presented through short films, original artifacts and computers, in the exhibition "Cultures of Creativity." During the visit of the Nobel Museum you also have an opportunity to see the dynamite, the mould and the books that changed the world! The Nobel Museum has an inspiring Book- and Gift shop well worth a visit. This place does not provide specific answers for the questions like "What is creativity?", but gives visitors the chance to think about such questions for themselves...

Exercise 1. Where do you look for the information, if you need to find out about interesting places, people, inventions, etc.? Why? What keywords would you use to make this search?What do (or do not) you like about using websites?

**Exercise 2.** Find the English equivalents for the words and word-combinations given below. Use them in the sentences of your own.

Ціла спадщина, винахідник, підприємець, передбачати, церемонія нагородження, інвестувати, віддавати перевагу, численні нагороди, відносно,

переливчастий диплом, швед за походженням, цінні вклади, банкет, численні, згаданий раніше, дослідження явища радіації, сполучення, завершений у лабораторних умовах, отримувати, виставка.

**Exercise 3.** *Match the English words and word-combinations given below with their Ukrainian equivalents.* 

1	
1. created a fund	1. поділити виграш /приз
2. this is rare	2. надзвичайно перевищувати
3. worthwhile contributions to mankind	3. рідко трапляється
4. the judges' decision	4. важливе досягнення у відкритті
	чогось
5. original legacy	5. ювілей (річниця)
6. to share the prize	6. застосування суперпровідників
7. the interests on the sum	7. цінні вклади у розвиток людства
8. anniversary	8. створити фонд
9. the important breakthrough	9. первісний спадок
in the discovery of smth	
10.dramatically extend	10. відсотки з суми
11.applications of superconductors	11. рішення суддів
Exercise 4. Due to the context of the text ma	ike up questions to the answers given
below.	
1	
In 1895.	
2	

Six fields. They are literature, physics, chemistry, medicine, peace and economics.

3.\_\_\_\_\_

Yes, it can play an important role in selecting the winners.

4. \_\_\_\_\_ On December 10.

5.\_\_\_\_\_

In science area.

**Exercise 5.** Answer the following questions.

- 1. Why was the Nobel prize established?
- 2. How does the sum for awards vary?
- 3. When there were no awards presented?

- 4. Do you know where are the ceremonies held?
- 5. Can an individual win two awards?
- 6. Who do you know has won Nobel prizes?
- 7. Do you know any Ukrainian (or Soviet) scientists who won this prize?
- 8. What invention do you think is useful nowadays and is worth being given the Nobel prize?
- 9. What useful things should be invented in future that will be worth being given the Nobel prize?

#### PAST TENSES

- **Grammar Exercise 1.** There are sentences in the text where past tenses are used. Find and read their subjects. If there are sentences where present perfect tense is used, find them and explain the variants of using present perfect and past indefinite.
- *E.g.* After inventing a dynamite, Swedish-born Alfred Nobel <u>became</u> a very rich man. "Became" *is the subject of this sentence. This is past indefinite/ simple tense.*

Some people <u>have won</u> two prizes, but this is rare.

"Have won" is the subject. Present perfect is used to express the result.

Grammar Exercise 2. Put one of these verbs in each sentence in past indefinite:

- buy catch cost drink fall hurt sell spend teach throw win write1. Mozart \_\_\_\_\_\_ more than 600 pieces of music.
- 2. "How did you learn to drive?" " My father \_\_\_\_\_ me."
- 3. We couldn't afford to keep our car, so we \_\_\_\_\_\_ it.
- 4. I was very thirsty. I\_\_\_\_\_ the water very quickly.
- 5. Paul and I played tennis yesterday. He's much better than me, so he \_\_\_\_\_ easily.
- 6. Don \_\_\_\_\_ down the stairs this morning and \_\_\_\_\_ his leg.
- 7. Jim \_\_\_\_\_\_ the ball to Sue, who \_\_\_\_\_\_ it.
- 8. Ann \_\_\_\_\_\_ a lot of money yesterday. She \_\_\_\_\_a dress which \_\_\_\_\_\$100.

**Grammar Exercise 3.** Put the verbs in brackets into the past simple or the past continuous tense:

A In prehistoric times, people 1) ......(live) in caves. They 2) ...... (hunt) animals which they then 3) ...... (use) for food and clothing. They 4) .....(make) everything by themselves and they 5) ...... (have) very simple lives.

**B** The boys 1).....(play) football on the river bank while the girls 2)...... (talk). Everyone 3) ......(enjoy) the picnic when suddenly they 4) ...... (hear) a loud cry from further up the river. They all 5) ...... (rush) to see what was wrong.

C Charlie Chaplin 1) ...... (become) one of the best-known personalities in America within two years of his first appearance in motion pictures. He 2)...... (be) so famous that no studio could afford to pay him, so he 3)...... (appear) only in films which he 4) ...... (produce) himself.

**Grammar Exercise 4.** Make up your own sentences, using new words and past tenses.

## Find the words in the box

(5 words cross, 5 words down)

I NV E NT I O NOSMUGA

NZ FO RS E E P I KE FA DD

- T DI AWAR D CALR I P Q
- EJPOVEUXFOEZIOL
- R CRADISTRUCTAWN
- E WENT UHUB Y TSME G
- S O FGY ORX I F QC I RY
- T P EJ D AVT OL KASIE
- VHRIKSAYETZIMNJ

**Grammar Exercise 5.** Use either the present perfect or the simple past tense in the following sentences. Find the markers of the tenses:

- 1. John wrote / has written his report last night.
- 2. Bob <u>saw / has seen this movie before.</u>
- 3. Jorge <u>read / has read</u> the newspaper already.
- 4. We <u>didn't begin / haven't begun</u> to study for the test yet.
- 5. George went / has gone to the store at ten o'clock this morning.
- 6. Joan <u>travelled / has travelled</u> around the world.
- 7. Betty wrote / has written a letter last night.
- 8. Jill phoned / has phoned his employer yesterday.
- 9. We <u>didn't see / haven't seen</u> this movie yet.

## **Grammar Exercise 6.** Are the <u>underlined</u> parts of these sentences right or wrong? Correct the ones that are wrong:

1. I <u>'ve lost</u> my key. I can't find it anywhere	
2. <u>Have you seen</u> the news on television last night?	
3. <u>I've bought</u> a new car. Do you want to see it?	•
4. <u>I've bought a new car last week.</u>	•
5. Where <u>have you been</u> yesterday evening?	
6. Jenny <u>has left</u> school in 1991.	•••
7. I'm looking for Mike. <u>Have you seen him?</u>	
8. I'm very hungry. I <u>haven't eaten</u> anything today	
9. Diane <u>hasn't been</u> at work yesterday	
10.When has this book been published?	

## **Final Test**

I. Fill in the space with the correct answer.

1. The scientist ... its universally destructive powers too late.

a) foresee b) has foreseen c) foresaw d) was foreseen

2. "Has Maria called yet?" - ""Yes, she .... But she didn't leave a message."

a) did b) called c) hasn't d) has

3. I remember you. You ... to go to school here.

a) use b) used c) were using d) were used 4. What ... when I rang you up?

a) you were doing b) were you doing c) did you do d) did you5. She was the sort of woman who was always bothering about ...

a) what would think other people c) what would other people think

b) what other people think d) what other people would think

6. The cyclist ... he crossed the main street.

a)looked with caution after c) was looked cautious when

b)had looked cautiously before d) looks cautious when

7. While attempting to reach his home before the storm,  $\dots$ .

a)the bicycle of John broke down c) John had an accident on his bicycle

b)it happened that John's bike broke down d)the storm caught John II. *Circle the letter of the underlined portion which is not correct.* 

a) They had breakfast when I knocked at the door.

A B C D

b) Ann asked not me to tell anybody what happened. В С D Α c)Did you used to eat a lot of sweets when you were a child? Α B С D d) He went to bed while he had brushed his teeth. Α В С D e)When I meeted him he had been working as a waiter for a year or so. С А В D f) John lived in New York since 1960 to 1975, but he is now living in Detroit. С D A B g) The professor had already given the homework assignment when he had А remembered that Monday was a holiday.

B C

III. Make up the sentence with the given words

- 1. Have/ few/ Americans/ relatively/ prizes/ won/ literature.
- 2. And/ mathematics/ himself/ at the age/ began/ a textbook/ of twelve/ geometry/ teaching/ picked up/ Einstein/ and.
- 3. Given/ was/ it/ we/ had/ the/ successful/ party/ least.

D

- 4. A teenager/ play/ me/ my/ I/ all/ was/ when/ parents/ homework/ my/ never/ until/ let/ finished/ had/ I.
- 5. We/ ourselves/ house/ money/ to/ decorate/ save/ the.
- 6. Wrong/ as/ was/ soon/ something/ knew/ arrived/ that/ as/ we/ home/ we.
- 7. Letter/ have/ to/ the/ did/ write/ you/ time?
- 8. Theatre/ I/ year/ often/ the/ last/ went/ to.
- 9. He/ nineteen/ went/ was/ to/ he/ work/ when/ in/ France.
- 10.Up/ time/ morning/ what/ did/ get/ this/ you?
- 11.Cathy/ the parcel/ phoned/ when/ office/ the/ post/ arrived.

#### UNIT 6

#### Internet

Millions of people around the world use the Internet to search for and retrieve information on all sorts of topics in a wide variety of areas including the arts, business, government, humanities, news, politics and recreation. People communicate through e-mails, discussion groups, chat channels and other means of informational exchange. They share information and make commercial and business transactions. All this activity is possible because tens of thousands of networks are connected to the Internet and exchange information in the same basic ways.

Our foreign colleagues refer to the Internet resources where they can find information about National Metallurgical Academy of Ukraine and its staff members. It is known that the Academy is one of the oldest higher educational establishments in Ukraine. It was founded in 1899 then it was the metallurgical faculty at the Ekaterinoslav Mining College. In 1930 it became the independent institute. During the years of its existence the institute has made a big progress. As a result in 1999 it acquired the status of National Academy of Ukraine.

The history and development of the Academy, its scientific research schools are influenced by the development of industrial, scientific and educational areas in Ukraine. Such outstanding Academicians and Corresponding Members of the National Ukrainian Academy of Sciences as L.V.Pisarzhevsky, M.A.Pavlov, A.V.Kirsanov, O.P.Chekmaryov, Y.M.Taran-Zhovnir, M.I.Gasik, K.F.Starodub, P.T.Yemelyanenko, K.P.Bunin, S.N.Kozhevnikov, V.I.Bolshakov, V.I.Baptizmansky, etc. are representatives of NmetAU.

Gasik Mihail Ivanovich was born on June 30, 1929 in village Semenivka, Pologivsky district, Zaporizhsky region. Doctor of Engineering Scinces (1969), Professor (1971), Academician (1990), a winner of the National USSR Prize (1977), National Prizes of Ukraine (1998, 2004), Prize of USSR Council of Ministers (1990), Honoured Scientist of Ukraine (1999). He graduated from Dnipropetrovsk Metallurgical Institute in 1954 as an engineer-metallurgist. He has been working in Metallurgical Academy since and has 1954 been a chairman of the Elctrometallurgical department since 1973. The main directions of his scientific research are physical-chemical fundamentals of high-temperature interactive processes in metallurgical and oxygen systems based on manganese, silicon, chromium, aluminium; development and introduction of new effective methods of production for alloy refining in solid and liquid states; steel melting for nuclear energy, oil-gas industry, machine-building technology; developing theoretical fundamentals and methods of production connected with steel electrometallurgy, ferro-alloys, electro-heating of non-ferrous metals. He has more than 420 scientific publications that include 197 inventions, 21 monographes. He was working in the

Problem Solving Committee "Ferrous Metallurgy in USSR", Scientific Committee concerning scientific-enginnering and social-economical problems of prognostication lead under Presidium of AS and SCES (State Committee of Engineering Sciences) USSR, a Head of SMC concerning Ferrous Metallurgy specialization in USSR Educational Committee. Gasik is a member of the Specialized Council that licenses and accredits mining-metallurgical high educational esteblishments, a deputy of SMC (Scientific Metallurgical Committee) concerning "Metallurgy" at Ministry of Education in Ukraine. Among his awards there are Paton Prize (1995), Diploma presented by Presidium of the Supreme Soviet of the USSR (1977), Soros fund grant (1996), orders and medals.

**Exercise 1.** In order to use the Internet effectively what criteria do you use for choosing to read a result or skip it?

**Exercise 2.** Why were these scientists famous? Match A and B.

A	В			
Lev Volodymyrovych Pisarzhevsky	worked in the field of metal forming,			
	focused on improving rolling mills,			
	developed new technological processes.			
Yuryi Mykolayovych Taran-Zhovnir	discovered the effect of hardening carbon			
	steel during tempering, developed a			
	technology for the production of molds			
	from liquid blast furnace iron. This			
	allowed to increase the structural strength			
	of steel more than twice.			
Kyryl Fedorovych Starodub	one of the outsdanding metallurgist,			
	worked in the field of metallography of			
	high-carbon iron alloys. He worked as a			
	rector of Dnipropetrovsk Metallurgical			
	Institute for over 30 years.			
Olexandr Petrovych Chekmaryov	one of the most outstanding scientists in			
	chemistry of the XX century,worked in			
	the field of electronic chemistry. In 1924-			
	1926 worked as a rector of			
	Dnipropetrovsk Mining Institute.			

A

B

**Exercise 3.** Answer the following questions.

- 1. What are the major milestones in the history of National Metallurgical Academy of Ukraine?
- 2. Choose a name of any prominent metallurgist and make a brief presentation about his impact on the development of metallurgy in Ukraine and world wide.
- 3. Make a list of chemical elements and terms in the field of Metallurgy mentioned in the text. Translate them into your native language.

**Exercise 4.** *Match the definitions of the following terms:* 

#### heat treatment; electroplating; casting; plastic deforming; milling; soldering

- a) complex shaping of metal or other materials by removing material to form the final shape.
- b) a collection of processes wherein material is brought to a specified geometry by removing excess material using various kinds of tooling to leave a finished part that meets specifications.
- c) general notion for such processes as annealing, precipitation strengthening, quenching, and tempering
- d) common surface-treatment technique, which involves bonding a thin layer of another metal such as gold, silver, chromium or zinc to the surface of the product.
- e) a joining process that occurs at temperatures below 450 °C (842°F).
- f) process which involves using heat or pressure to make a workpiece more conductive to mechanical force.
- g) metalworking which includes pouring molten metal into a mold and allowing it to cool, with no mechanical force.

#### **FUTURE FORMS**

## **Grammar Exercise 1.** *Fill in the gaps with the correct form of* will *or* be going to *and the verb in brackets.*

- A: Why are you buying flour and eggs?
   B: Because I ..... (make) a cake.
- 3. A: Did you ask Jakie to the party?B: Oh no! I forgot! I ..... (ask) her tonight.

<b>5.</b> A; What are your plans for the weekend?
B: I (spend) some time with my friends.
<b>6.</b> A:What are you doing on Friday night?
B: Oh, I (probably/stay) at home with my family.
7. A: Have you tidied your room yet?
B: No, but I promise I (do) it this afternoon.
8. A: Look at the boy!
B: Oh yes! He (climb) the tree.
9. A: Jason is very clever for his age.
B: Yes. He says he (become) a doctor when he grows up.
<b>10.</b> A: I'm too tired to cut the grass.
B: Don't worry! I (cut) it for you.
Grammar Exercise 2. Ask and answer questions using the prompts below.
Student A: When will you do the gardening?
Student B: I'll do it after I've done the shopping.
1. Do the gardening / do the shopping
2. Post the greeting cards / buy the stamps
3. Iron the clothes / tidy the bedroom
4. Water the plants / do the laundry
5. Finish the project / have my dinner
6. Pay the bills / take the car to the garage
7. Make an appointment / reply the emails
8. Apply documents / sign the Letter of Recommendation
9. Input data / find information
10. Use equipment / receive accumulator
11. Oder business cards / improve the design
Grammar Exercise 3. Put the verbs in brackets into the correct future tense.
1. A: Are you looking forward to your holiday?
B: Oh, yes! This time next week I (lie) on the beach.
2. A: We're having a party on Saturday.
B: Oh. Good. I (make) a cake to bring along.
3. A: Have you finished that report yet?
B: Yes. I (give) it to you in a minute.
4. A: Why are you buying all those vegetables?

B: Because I ..... (make) vegetable soup.

- 5. A: This writing is too small for me to read.
  - B: Give it to me and I ..... (read) it to you.
- 6. A: I ..... (stay) at Claire's house tonight.
  - B: Alright. I won't expect you home, then.
- 7. A: Would you like to join me for lunch today?
  - B: Yes, please. I ..... (meet) you at half past one.
- 8. A: ..... (you/help) me with the shopping tomorrow?B: Of course.
- 9. A: Are you excited about your trip?
  - B: Yes. This time tomorrow I ..... (sit) on the plane.
- 10.A: I can't hear TV very well.

B: I ..... (turn up) the volume.

Grammar Exercise 4. Answer the following questions about yourself.

- 1. What are you doing at the weekend?
- 2. How long will you have been studying English by the end of this term?
- 3. What do you think life will be like in the future?
- 4. Where are you going next summer?
- 5. What will you have done by the end of today?

## **Final Test**

I. Choose the right answer and finish the sentence.

- 1. The Academy is .....
  - a) ... one of the youngest educational establishments in Ukraine.
  - b) ... one of the oldest educational establishments in Ukraine.
  - c) ... one of the most famous educational establishments in the world.
- 2. The course of tuition lasts for .....
  - a) two or three years b)four or seven years c) five or six years.
- 3. The first and the second year students are studying the following courses:
  - a) Mathematics, Mechanics, Russian.
  - b) Descriptive Geometry, Foreign Language.
  - c) The History of Ukraine, Geography, Chemistry.
- 4. Our Academy has ..... Relations with China, Germany, Poland.
  - a) terminated b)short-term c) long-standing

## II. Cross the odd word out.

- 1. Full-time; part-time; extra-mural; post-graduate.
- 2. Institute; Chamber; University; Academy.
- 3. Lectures; seminars; exams; tutorials.
- 4. Second-year student; final-year student; scientist; first-year student.

## III. Answer the following questions.

- 1. What kinds of higher education are there in Ukraine today?
- 2. What kind of specialists does the Academy train?
- 3. What departments do you know in terms of this Academy?
- 4. What is the purpose of pre-diploma in-career training?
- 5. What do the final-year students work on?

IV. Dr. Shevchenko and his colleagues are going to visit India. Read the information and talk about, as in the examples.

## What have they arranged?

► Leave / Ukraine / on Saturday

- e.g. They are leaving Ukraine on Saturday.
- ► Presentation / Scientific Metallurgical Committee / next Tuesday
- ► Sign / agreements / several institutions
- ► Return / to Ukraine / in two weeks

## What will they be doing while they are there?

► do / experiments

e.g. They'll be doing experiments while they're there.

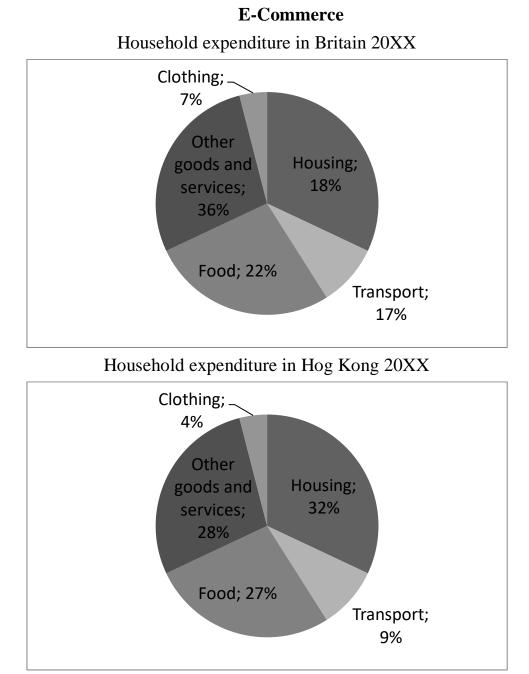
- ► Visit / factories / the rest of the visit
- Collect / samples to take back to Ukraine
- Collaborate / foreign colleagues

## What will they have done by the time they come back?

► Take / more than 3,000 photographs

e.g. They'll have taken more than 3,000 photographs.

- ► Have appointments / numerous engineers
- Analyze / ways of improving / methods of production
- ► See / interesting innovations
- ► Input data / advanced computer program
- V. You are writing an article for a newspaper about Dr Shevchenko's trip to India. Use your notes from the previous activity to complete the article below.



The proportion of money spent on various household expenses in Hong Kong and Britain in 20XX has been analysed. The report that is presented below should be completed with the words from the box.

but	compared	with ł	nigher (2)	In con	trast	main
indicates	lower	Overall	smallest	than	while	

We can see that in Hong Kong the greatest proportion of expenditure (32%) was on housing, (1)\_\_\_\_\_ in Britain housing accounted for just 17% of the total.

(2)\_\_\_\_\_\_ in Britain the greatest single expense was other goods and services at 36%, (3)\_\_\_\_\_\_ 28% in Hong Kong. Food came in second place in Britain, at 22%, while in Hong Kong the actual proportion was (4)\_\_\_\_\_(27%). In Britain another major expense was transport, at 17%, but this was much (5)\_\_\_\_\_\_ in Hong Kong (9%). In both countries the (6)\_\_\_\_\_\_ percentage of expenditure was on clothing.

(7)\_\_\_\_\_, the data (8)\_\_\_\_\_ that in both cases food, housing and other goods and services were the (9)\_\_\_\_\_ expenses, (10)\_\_\_\_\_ that in Britain, transport and other goods and services took up a (11)\_\_\_\_\_ proportion of total expenditure (12)\_\_\_\_\_ in Hong Kong.

The pie charts below show average household expenditure in Hong Kong and Britain in the year 20XX. Write a report for a university lecturer describing the information below.

*Exercise 1.* Listen to the recording and draw a chart regarding the statistic data represented in it.

*Exercise 2.* Decide whether the following statements are true (T) or false (F) as for online services. If you think a statement is false, change it to make it true.

- 1. Most people choose an online service because of the price or the number of available files.
- 2. Everybody has one service which he/she likes more than all the others.
- 3. You should judge each service according to whether it is better or worse overall than the service you are currently using.

4. Eventually, all services will be accessible from the service you are using.

*Exercise* 3. *Fill in the gaps with the words in brackets where the first and last letters are correct.* 

In my opinion, there is no single 'best' online service. The choice depends on your 1\_\_\_\_\_\_ (prltacuair) needs and preferences. Most users have their own 2\_\_\_\_\_\_ (ftrvaioue), but this can prevent them from seeing the 3\_\_\_\_\_\_ (agtvndaaes) of other services. Each one offers something which is either 4\_\_\_\_\_\_ (uqinue) to that service, or which is 5\_\_\_\_\_\_ (bteetr) than the same features on other services. So, when considering an online service, decide whether its features 6\_\_\_\_\_\_ (cosrernopd) to what you need. Until all services are 7\_\_\_\_\_\_ (iilktneernd), most of us will need to 8\_\_\_\_\_\_ (cunoitne) using more than one.

**Exercise 4.** *Discuss the following questions:* 

- 1. What online services are available in your country?
- 2. What kind of facilities do online services provide?
- 3. Do you think the English in the text above is formal/ neutral/ informal?
- 4. Do you think the text from the article originally appeared in:

A a computer magazine?

- **B** a general magazine for young people?
- **C** a general magazine for adults?
- **D** an online bulletin board?
- **E** the science page of a newspaper?

Give reasons for your choices.

#### WORD FORMATION

Lexical Exercise 1. Sort out the words into 4 different categories: nouns (who? what?), adjectives (which? what kind of?), adverbs (how?) and verbs (what to do?).

Intelligence, demand, alternative, amidst, self-awareness, propose, requirement, professionally, useful, supply, existential, relationship, successfully, emphasize, profession, academic, author, responsible.

- Lexical Exercise 2. *Find synonyms for the following words:* Statement, morally, organization/ firm, speaking, headline, grown-ups, neat/ fashionable/ intelligent, central, particular, according to.
- Lexical Exercise 3. Using words from Exercises 1 and 2, match the word endings. Analyse: what suffixes can be added to a word to change its meaning or its word class. Remember, there are words that do not have such endings/ suffixes. E.g. Successfully = success + ful + ly

The ending FUL can be added to many nouns to form adjectives: hope – hopeful, grace – graceful.

The ending LY can be added to most adjectives to form adverbs: easy – easily, awful – awfully, radical – radically.

# Lexical Exercise 4. Complete the sentences with the correct form of the words in brackets.

- 1. He learns new languages .... (EASY)
- 2. The weather was so bad that it was ... to continue our journey. (POSSIBLE)
- 3. Please don't forget the ... of the situation. (SERIOUS)

- 4. David wasn't expected to do well but ... he did very well. (SUCCEED)
- 5. The teacher spoke very ... about the problems that teenagers face. (CARE)
- 6. It's your birthday. Let's have a .... (CELEBRATE)
- 7. Traffic jams and noise pollution add to the ... of daily life. (STRESSFUL)
- 8. Please, don't be so ... ! I'll tell you when I know myself. (PATIENCE)
- 9. Even though he was only five, he was very good and waited ... for the bus.(PATIENCE)
- Lexical Exercise 5. There is the definite word order in English sentences. In the examples given below mark subjects and predicates. Translate the sentences. Remember that some verbs can have the same form as nouns.
- *E.g.* I water these flowers three times a week. Я поливаю ці квіти три рази на

тиждень.

"I" is a subject; "water" is a predicate.

- a. Please, number the pictures.
- b. Dogs often tree cats.
- c. We can fish the lake.
- d. Cats mother tigers.
- e. The book names name and give street addresses.
- f. Wishes father thoughts.
- g. This hall houses 50, 000 people.
- h. On landing you'll see strange things.
- i. On the landing you'll see strange things.

**Lexical Exercise 6.** *Write what the following abbreviations mean.* 

Dr., www, max, min, Mon., Sep., etc., e.g., i.e., NB, NBA, BBC, UNESCO, NY, UFO, IQ, AI, p.m., BC, AD, yr, km, F, °C, UK, BSc, CPU.

### **Final Test**

I. There are underlined words or phrases in each sentence. You are to choose the <u>one</u> word or phrase that <u>best keeps the meaning</u> of the original sentence if it is substituted for.

1. Among the most influential <u>theorists</u> of intelligence to point out the distinction between intellectual and emotional capacities was Howard Gardner.

(A) students (B) writers (C) celebrators (D) scientists2. After a long lunch hour, business <u>resumes</u> as usual.

(A) responds (B) delays (C) continues (D) resurfaces

3. Picasso was a well-known cubist painter.

(A) colorful (B) expressive (C) celebrated (D) knowledgeable4. The professor tried to stimulate interest in archeology by taking his students on expeditions.

(A) simulate (B) encourage (C) fake (D) diminish5. The Montforts have decided to take a cruise, so they went to the travel agency for some <u>brochures</u>.

(A) questions (B) inquisition (C) price list (D) pamphlets6. Twenty-five percent of Ecuador's population speak Quechua <u>exclusively</u>.

(A) mainly(B) only(C) voluptuously(D) still7.Plato's teachings had a profound effect on Aristotle.

(A) depth (B) affection (C) affliction (D) influence II. *Choose the word in the following sentences that fits best.* 

- 1. Decide which particular pathways *interesting/ interests/ interest* you the most, or seem to be the most effective.
- 2. The building *house/ houses/ housewife* the fifty-ton crane.
- 3. In Britain the *academy/ academic/ academic* year runs from October to July.
- 4. I'm not sure about your legal position in this matter: I think you should take *profession/professorial/professional*.
- 5. An *intelligent/ intellectual* person is someone with a quick and clever mind, but an *intelligent/ intellectual* person is someone who is well-educated and interested in subjects which need long periods of study. A small child, or even a dog, can be *intelligent/ intellectual* but cannot be called an *intelligent/ intellectual*.

III. Match the words given below with their definitions.

	1. Skill	a) the general	course of a person'	s working life
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- 2. Societyb) process that is connected with recognizing and understanding things
- 3. Cognitive c) when two or more things are connected with or involve each other
- 4. Relationship d) the ability to do something well, as a result of experience and training
- 5. Careere) people in general living together in organized communities, with laws and traditions controlling the way they behave towards one another

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Навчальне видання

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