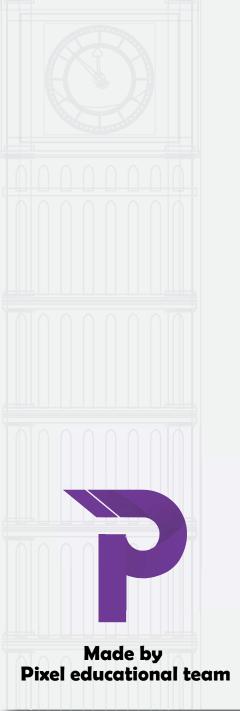
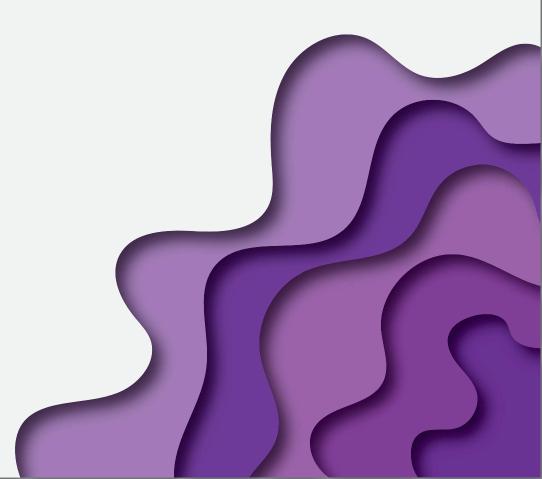


Engineering

Review included







الصفحة	العنوان
1	Reading - History of Engineering
5	Reading - Medical Technology Engineering
9	Vocabulary – Phrasal Verbs
9	Vocabulary - Prepositions of Movement
10	Pronunciation - Elision
12	Everyday English – Hesitation and Uncertainty
14	Grammar – The causative verbs
18	Review

! هام جداً:

هذا الكتاب لا يُعد بديلاً عن الكتاب الرسمي المقدم من وزارة التربية السورية وإئما هو عرض للمعلومات بشكل مبسّط لمساعدة الطالب على فهم المنهاج بشكل أفضل. وعليه فإنَّ المصدر الأساسي للدراسة هو كتاب اللغة الانكليزية Emar المقدَّم من وزارة التربية السورية ونحن غير مسؤولين عن عدم الالتزام بمصدر الدراسة الأساسي, شاكرين حُسن تفهمكم.

تعود ملكية هذا العمل لكاتبيه الأساسيين من أعضاء فريق بكسل التعليمي وليس لأي جهة أخرى من أفراد أو فرق أو مكاتب أو مطابع أو أي كيان اخر وهو حصيلة ساعات من العمل الجاد من تجميع وكتابة وتنسيق وتدقيق للمعلومات حتى وصلت إلى هيئتها الحالية، لذلك يُمنع منعاً باتاً بيعه أو تداوله أو طباعته أو تصويره أو مسحه أو نسخه لأي غرض من الأغراض.

وفي حال مخالفة الشروط المذكورة أعلاه يح<mark>ق لنا</mark> كجهة مالكة لهذا العمل اتخاذ الإجراءات القانونية التي نراها مناسبة بحق المخالف. ونذكّر بيوم الحساب عند الله تعالم لكل من استباح سرقة هذا العمل واستخدامه لأغراضه الشخصية.





Student book

History of Engineering

Reading

Page 40

Throughout history, there have always been people who **designed** and built tools or other **devices** to **solve** problems or improve lives. The **concept** of engineering has been around since ancient times, as **primitive** engineers created basic **inventions** such as **pulley**, **lever**, and the wheel. Each of these inventions is **consistent** with a modern **definition** of engineering, and makes use of basic mechanical **principles** to develop useful tools and objects.

The Ancient Era

Simple classic machines were known in the ancient Near East, and then the wheel. along with the wheel and axle mechanism. was invented in Mesopotamia (modern Iraq) during the fifth millennium BC. The oldest architect, known by name Imhotep. designed and executed the construction of the Pyramid of Djoser (a step pyramid) in the Saqqara region in Egypt around 2630-2611 BC, and he is also credited with first using columns in architecture. In Persia, the oldest practical water-powered machines appeared in the fourth century BC, the water wheel and the watermill.

Middle Ages

During the sixth century AD, the Indian engineers invented the cotton **gin**, and by the ninth century **AD** they designed **wind**- powered machines such as the **windmill** and the wind **pump**. Later, the Arab engineers designed the **spinning** wheel in the early eleventh century. This was essential to the growth of the cotton **industry**, which was the **core** of The Early Industrial **Revolution** in the 18 th Century.

European Renaissance

The first **steam** engine was built in 1698 by the mechanical engineer Thomas Savery. The development of this device **led** to the **emergence** of the Industrial Revolution in the coming years, which allowed the beginning of the **mass** production of **engines** of various functions.

The Modern Era

The inventions of the Scottish engineer James Watt gave rise to the modern mechanical engineering, which opened the door wide for the development of specialized **machinery** and their **maintenance** tools during the Industrial Revolution and led to the rapid growth of mechanical engineering in its **native** Britain and abroad.

Chemical engineering, like **mechanical engineering**, developed in the nineteenth century during the Industrial Revolution. The work of James Maxwell and Heinrich Hertz in the late nineteenth century gave **birth** to the **field** of electronics and **electrical engineering**.

Today, **aeronautical** engineering **deals** with **aircraft** design; this field of engineering has been growing day after day to allow humans make their dreams come true to **invade** the **outer space** by designing better **spaceship**.

Finally, with the **advent** of computer technology in the 1990's, the first search engine was built by the computer engineer Alan Emtage.

The **brilliant minds** of engineers are still creating whatever it takes to **elevate** our world to make it a better place to live.



الكلمات الملونة هي كلمات مهمة، إذا كنت تعرفها فلا تُعر اهتماماً للتلوين.

Translation

على مر التاريخ، كان هناك دائمًا أشخاص يصممون ويصنعون أدوات أو أجهزة لحل المشاكل أو تحسين الحياة. وقد كان مفهوم الهندسة موجودًا منذ العصور القديمة، حيث ابتكر المهندسون الأوليون اختراعات أساسية مثل البكرة والرافعة والعجلة. يتوافق كل اختراع من هذه الاختراعات مع التعريف الحديث للهندسة، ويستفيد من المبادئ الميكانيكية الأساسية لتطوير أدوات وأشياء مفيدة.

الحقية القديمة:

عُرفت الاَلات التقليدية البسيطة في الشرق الأدنى القديم، ثم اخترعت العجلة، إلى جانب اَلية العجلة والمحور، في بلاد ما بين النمرين (العراق الحديث) خلال <mark>الألفية</mark> الخامسة قبل الميلاد.

نفذ وشيّد أقدم مهندس معماري يدعى إمحوتب بناء هرم جوسر (هرم مدرج) في منطقة سقّارة في مصر حوالي 2630-2611 قبل الميلاد، ونُسب إليه الفضل بكونه أول من استخدم الأعمدة في فن العمارة. وفي بلاد فارس، ظهرت أقدم الآلات العملية التي تعمل بالطاقة المائية في القرن الرابع قبل الميلاد، وهي الناعورة والطاحونة المائية.

العصور الوسطى:

خلال القرن السادس الميلادي، اخترع المهندسون الهنود محلج القطن، وبحلول القرن التاسع الميلادي صمموا آلات تعمل بالرياح مثل الطاحونة الهوائية والمضخة الهوائية. وفي وقت لاحق، صمم المهندسون العرب عجلة الغزل في أوائل القرن الحادي عشر الميلادي. وكان هذا الأمر ضروريًا لنمو صناعة القطن، التي كانت جوهر الثورة الصناعية المبكرة في القرن الثامن عشر.

النمضة الأوروبية: ً

صُنع أول محرك بخاري في عام 1698 على يد المهندس الميكانيكي توماس سافري، وقد آل تطوير هذه الأداة إلى ظهور الثورة الصناعية في السنوات التالية، فبدأ الإنتاج الضخم للمحركات بمختلف وظائفها.

الحقبة الحديثة:

أدت اختراعات الصهندس الاسكتلندي جيمس وات إلى ظهور الهندسة الميكانيكية الحديثة، والتي شرعت الباب على مصراعيه لتطوير الآلات المتخصصة وأدوات <mark>صيانتها</mark> خلال الثورة الصناعية وأدت إلى نمو سريع للهندسة الميكانيكية في موطنها بريطانيا وخارجها.

تطورت المندسة الكيميائية، مثل المندسة الميكانيكية، في القرن التاسع عشر خلال الثورة الصناعية. وأدت أعمال جيمس ماكسويل وهاينريش هيرتز في أواخر القرن التاسع عشر إلى نشأة مجال الإلكترونيات والمندسة الكمريائية.

واليوم، تتعامل <mark>هندسة الطيران</mark> مع تصميم الطائرات؛ حيث ينمو هذا المجال من الهندسة يومًا بعد يوم للسماح للبشر بتحقيق أحلامهم في غزو الفضاء الخارجي من خلال تصميم أفضل سفن الفضاء.

وأخيرًا، مع ظهور تكنولوجيا الكمبيوتر في التسعينيات، بُني أول محرك بحث على يد مهندس الكمبيوتر اَلان إيمتاج.

وما زالت عقول المهندسين العبقرية تبتكر كل ما يلزم للارتقاء بعالمنا ليغدو مكانًا أفضل للعيش فيه.

Answers: 1 - B 2 - C 3 - A

> 4 - D 5 - C

6 **-** B

7 **-** A

8 **-** B



مفردات النص الأساسية

pulley	بكرة	a piece of equipment consisting of a wheel over which a rope or chain is pulled to lift heavy things
lever	رافعة	a simple machine used to lift something heavy
millennium	ألفية	a period of one thousand years
gin	محلج	a machine that separates the seeds of a cotton plant from the cotton
maintenance	صیانة	actions performed to keep a machine or system functioning or in service
aeronautical	هندسة طيران	related to designing, making, and flying planes
elevate	ارتقاء	to raise something to a higher position

Read the text and answer the following questions:

1. The pulley, the lever,	and the wheel invent	ed by engineers.		
A) modern	C) new			
B) primitive	D) contem	porary		
2. All types of today eng	ineering depend on	basic inventions su	ch as lever and pulle	y.
A) modern	C) old			
B) new	D) contem	porary		
3was the pioneer of	of engineering who bu	ilt a pyramid in Egyp	t.	
A) Imhotep	C) Alan Er	ntage		
B) Thomas Savery	D) James V	Vatt		
4. The oldest practical w	ater- powered machir	es appeared in		
A) Iraq	C) Mesopo	otamia		
B) Egypt	D) Persia			
5. The cotton gin was in	vented by the en	gineers.		
A) European	C) Indian	_		
B) Syrian	D) Egyptia	n		
6. Aeronautical engineer	ring is related to the d	esign of electronic ma	chines.	
A) true				
B) false				
7. The inventions of Jan	nes Watt contributed t	o the growth of mecha	inical engineering.	
A) true				
B) false				

8. Imhotep invented the first steam engine in the world.

A) true

B) false



- 9. To develop useful tools and objects, all types of today engineering depend on old basic inventions such as lever and pulley.
- A) true
- B) false

10. The word "pulley" means:

- A) a simple machine used to lift something heavy
- B)a machine that separates the seeds of a cotton plant from the cotton
- C) related to designing, making, and flying planes
- D) a piece of equipment consisting of a wheel over which a rope or chain is pulled to lift heavy things

11. The word "lever" means:

- A) a simple machine used to lift something heavy
- B) a machine that separates the seeds of a cotton plant from the cotton
- C) related to designing, making, and flying planes
- D) a piece of equipment consisting of a wheel over which a rope or chain is pulled to lift heavy things

12. The word "millennium" means:

- A) a piece of equipment consisting of a wheel over which a rope or chain is pulled to lift heavy things
- B) actions performed to keep a machine or system functioning or in service
- C) a period of one thousand year
- D) to raise something to a higher position

13. The word "gin" means:

- A) a simple machine used to lift something heavy
- B) a machine that separates the seeds of a cotton plant from the cotton
- C) related to designing, making, and flying planes
- D) a piece of equipment consisting of a wheel over which a rope or chain is pulled to lift heavy things

14. The word "maintenance" means:

- A) a machine that separates the seeds a con plant for the Cotton
- B) related to designing, making, and Eving lanes
- C) a piece of equipment consisting of a wheel over a rope or chain is pulled to lift heavy things
- D) actions performed to keep a machine or system functioning or in service.

15. The word "aeronautical" means

- A) related to designing, making, and flying planes
- B) a simple machine used to lift something heavy
- C) a machine that separates the seeds of a cotton plant from the cotton
- D) a piece of equipment consisting of a wheel over which a rope or chain is pulled to lift heavy things

things	Answers:
	9 - A
16. The word "elevate" means:	10 - D
A) a machine that separates the seeds of a cotton plant from the cotton	11 - A
,	12 - C
B) related to designing, making, and flying planes	13 - B
C) to raise something to a higher position	14 - D
D) a simple machine used to lift something heavy	15 - A
2, a simple material asset to me sometimes menty	16 - C



Workbook

Reading

Medical Technology Engineering

Page 32

- A. As a result of the **substantial** scientific and technological development that **affected** many **disciplines**, many **branches** have appeared within the specialisation of engineering in particular, including **medical technology engineering**, which is also called **biomedical engineering**. This field is **concerned** with studying the body from an engineering point of view, in order to design suitable **artificial limbs**, organs, or other medical devices.
- B. Medical technology engineering helps doctors **define** their **tasks** and **facilitates** their work more, so the medical device has become an **essential assistant** for the doctors in all steps, starting from **diagnosis**, to the end of the **treatment** course. The need for development in this field has made designing medical devices a great **priority**, and this **in turn led to** the **intervention** of electrical, mechanical computer engineers and others, whose **knowledge** does not **depend on** their specialties only, but rather, they must be familiar with all **aspects** of human body, from **biology**, **anatomy** and **physiology**. So that the medical devices designed are useful for the human body.
- C. Medical devices can be **divided** into two parts, diagnostic medical devices, most **notably** the **ultrasound** device, and medical **therapeutic** devices used in chemical treatments. Another **classification** includes three **categories**. Firstly, we have simple devices such as **bandages**, body **temperature** meters and others. There are also more **complex** devices that **require** a **certain amount** of **caution**, such as those that **emit** X-rays. Finally, there are those which require a **deep** study before their use, such as the **valves** used in the artificial heart, in addition to the artificial **joints**.
- D. Medical engineers work in many fields like **well-equipped** hospitals and **clinics** in particular, medical **companies** and the advanced **major** research centers in universities. In the end, medical engineers work in **cooperation** with all disciplines including **nursing**, medicine, biology, and other disciplines.
- E. **In short**, it is certain that this new branch of engineering has improved **healthcare** to a great **extent**. Furthermore, the design process is better as a result of new technology with 3D **printing** being the most **favoured** new tool. Nowadays biomedical engineers are able to develop new **procedures** using knowledge from many technical **sources**; or **conduct** research needed to solve clinical problems.
- Choose the most suitable headings for these paragraphs from the list of eight headings below.
- 1. Classification of medical devices
- 2. How medical engineering works today
- 3. Importance of medical technology engineering
- **4.** The concept of medical engineering
- 5. Work field of medical engineers

Answers: 1 - C

2 - E 3 - B

4 - A 5 - D

الكلمات الملونة مي كلمات مممة، إذا كنت تعرفها فلا تُعر اهتماماً للتلوين



Translation

نتيجة للتطور العلمي والتقني المائل المؤثر في العديد من <mark>التخصصات</mark>، ظهرت الكثير من الفروع ضمن تخصص الهندسة على وجه الخصوص، ومنها هندسة التكنولوجيا الطبية والتي تسمى أيضًا الهندسة الطبية الحيوية. يختص هذا المجال بدراسة الجسم من وجهة نظر هندسية لتصميم <mark>أطراف</mark> صناعية أو أعضاء أو أجهزة طبية أخرى مناسىة.

وتساعد هندسة التكنولوجيا الطبية الأطباء في تحديد ممامهم وتسميل عملهم بشكل أكبر، فأصبح الجهاز الطبي مساعدًا أساسيًا للأطباء في جميع الخطوات، بدءًا من تشخيص المرض، وحتى نهاية دورة العلاج. إن الحاجة إلى التطوير في هذا المجال جعلت تصميم الأجهزة الطبية أولوية كبيرة، وهذا بدوره أدى إلى تدخل مهندسي الكهرباء والميكانيك والحاسب الآلي وغيرهم، الذين لا تعتمد معرفتهم على تخصصاتهم فقط، بل يجب أن يكونوا ملمين بجميع جوانب جسم الإنسان من علم الأحياء والتشريح ووظائف الجسم، بحيث تكون الأجهزة الطبية المصممة مفيدة لجسم الإنسان.

يمكن تقسيم الأجهزة الطبية إلى قسمين: الأجهزة الطبية التشخيصية، وأبرزها جهاز الموجات فوق الصوتية، والأجهزة الطبية العلاجية المستخدمة في العلاجات الكيميائية. وهناك تصنيف آخر يشمل ثلاث فئات: أولًا، لدينا أجهزة بسيطة مثل الضمادات، وأجهزة قياس درجة حرارة الجسم وغيرها. وهناك أيضًا الأجهزة الأكثر تعقيدًا التي تتطلب دراسة التي تتطلب دراسة عميقة قبل استخدامها مثل الصمامات المستخدمة في القلب الاصطناعي، بالإضافة إلى المفاصل الصناعية.

ويعمل الممندسون الطبيون في العديد من المجالات مثل المستشفيات والعيادات المجمزة تجميزًا جيدًا، والشركات الطبية خصوصًا، ومراكز الأبحاث الكبرى المتقدمة في الجامعات. في النماية، يعمل المهندسون الطبيون بالتعاون مع كل التخصصات بما في ذلك التمريض والطب وعلم الأحياء وغيرها من التخصصات.

بالمجمل، من المؤكد أن هذا الفرع الجديد من الهندسة قد حسّن الرعاية الصحية إلى حد كبير. وعلاوة على ذلك، أصبحت عملية التصميم أفضل نتيجة للتقنيات الجديدة، حيث تُعد الطباعة ثلاثية الأبعاد الأداة الجديدة الأكثر تفضيلًا. وفي الوقت الحاضر، بات المهندسون الطبيون قادرين على تطوير أساليب جديدة بناء على المعارف والعلوم من المصادر التقنية العديدة؛ أو إجراء الأبحاث اللازمة لحل المشاكل السريرية.

	مفردات النص الأساسية		
disciplines	تخصصات	a field of study	
limb	طرف	an arm or a leg	
ultrasound	موجات فوق صوتية	a medical process using the reflections of high-frequency sound waves to construct animage of a body organ	
therapeutic	علاجية	relating to the treatment or cure of an illness	
conduct	إجراء	to carry out or do something	



Read the text and answer the following questions:

- 1. Medical engineering means the..... in order to design suitable artificial limbs and organs.
- A. study of the body from an engineering point of view.
- B. study of the body from medical point of view.
- C. study of the body from medical and engineering point of view.
- D. study of the body from traditional point of view.
- 2. Medical engineering helps doctors......
- A. invent new devices
- B. use traditional methods
- C. define their tasks and facilitates their work more.
- D. define their tasks and makes it hard to do their work
- 3. are the two parts of medical devices.
- A. Sport devices and medical therapeutic devices.
- B. Diagnostic medical devices and mobile devices.
- C. Diagnostic medical devices and medical therapeutic devices
- D. Sport devices and mobile devices.
- 4. Complex devices, such as those that emit x-rays, require....
- A. less caution.
- B. more caution
- C. trivial caution
- D. no caution
- 5. Bandages, body temperature meters and others are examples of
- A. complex devices
- B. simple devices
- C. complicated devices
- D. both B and C
- 6. Medical engineers work in many fields like well-equipped hospitals, clinics and financial companies.
- A- true
- B-false
- 7. Medical engineering is able to develop new procedures from many technical sources.
- A- true
- B- false
- 8. Medical devices can be divided into four parts.
- A- true
- B- false
- 9. Biomedical engineering is another name for medical technology engineering.
- A- true
- B-false
- 10. The word "discipline" means:
- A. relating to the treatment or cure of an illness
- B. an arm or a leg.
- C. a field of study
- D. to carry out or do something.



11. The word "limb" means:

A. relating to the treatment or cure of an illness.

B. an arm or a leg.

C. a field of study.

D. to carry out or do something

12. The word "ultrasound" means:

A. relating to the treatment or cure of an illness

B. an arm or a leg

C. a medical process using the reflections of high-frequency sound waves to construct an image of a body organ

D. to carry out or do something

13. The word "therapeutic" means:

A. relating to the treatment or cure of an illness

B. an arm or a leg

C. to carry out or do something

D. a field of study

14. The word "conduct" means:

A. relating to the treatment or cure of an illness

B. an arm or a leg

C. to carry out or do something

D. a field of study

Answers:

1 - A

2 - C

3 - C

4 - B

5 - B 6 - B

7 - A

8 **-** B

9 - A

10 - C

11 - B

12 - C 13 - A

14 - C



Vocabulary	Phrasal Verbs		
check over	يتفحص	to inspect for any faults, errors or defects	
drive into	يطرق	to force something into something else by hitting it	
eat away	يتآكل	to erode or corrode	
fence off	يضع سياج	to restrict access using some kind of barrier	
jack up	يرفع	to raise using some kind of mechanic or hydraulic device	
pull down	تعدم	to destroy something quite big	
shore up	يُحمِّم	to support something or keep it from falling by placing something under or against it	

Prepositions of Movement

To	إلى (مع تحديد وجهة)	I drove to Homs yesterday.
Into	في (تفيد الانتقال)	I drove into the fence.
Onto	على (تفيد الانتقال)	He stepped onto the stage.
From	من (تحديد نقطة الإنطلاق)	The plane from Cairo arrived.
Off	من على (تفيد الانتقال)	The vase fell off the table.
Out of	خارج (تفيد الانتقال)	I moved the chair out of my room.



للمزيد من الشرح بإمكانك متابعة فيديو قاعدة "أحرف الجر" من هُنا:



Pronunciation

Elision

القاعدة: يمكن لبعض الأصوات في اللغة المحكية السريعة أن تختفي، ويعرّف بالإدغام، حيث يحذف الصوت من الكلام.

الأصوات /t/ و /d/ تُحذف بشكل متكرر، خاصة عندما تكون موجودة بين حرفين ساكنين آخرين.

على سبيل المثال:

- سنسمع الصوت /t/ في كلمة "fact"، لكن لن نسمعه في "facts".
- سنسمع الصوت /d/ في كلمة "land"، لكن لن نسمعه في "landlady".

ملاحظة: هذا يعني أن الصوت الساكن /t/ في النفي، وكذلك النهاية /d/ أو /t/ في الأزمنة الماضية والمبنية للمجهول، قد تختفي أيضًا.

- I don'(t) know.
- I watch(ed) TV las(t) night.



في الجدول أمثلة قليلة فقط، باقي الأمثلة متواجدة في الكتاب، يمكنك أيضاً مراجعة شرح القاعدة من هُنا:

Everyday English Hesitation and Uncertainty

- عندما نريد أن نعبر عن نوع من التردد أو عندما لا نكون متأكدين من شيء ما، نستخدم عادةً التعبيرات التالية:
- Hm, it sounds a bit risky to me.
- I haven't made up my mind yet
- I don't know much about
- I'll have to think about that

· I'm not sure about that

• I'm not very good at

Maybe, maybe not.

I can't decide yet

Perhaps I can

- It might work
- Oh, I don't know whether I could.



———— Choose the correct answer —————

	Choose	ile correct ariswer		
1. Make sure you th	ie joints before yo	ou leave today.		
A. ace a test	C. go u	nder the knife		
B. eat away	D. check	over		
2. The carpenter has use	ed a special hammer t	o the nails th	ne finished doors.	
A. fence off	C. drive	into		
B. eat away	D. check	over		
3. This harsh environm	ent is going to at	this concrete over tim	1e.	
A. fence off	C. drive int	0		
B. eat away	D. check ov	er		
4. The workers had to	the area in or	der not to harm anybo	ody during the work.	
A. fence off	C. drive	. into		
B. eat away	D. fit in	with		
5. I have to the car t	to change the tire.			
A. fence off	C. drive into)		
B. jack up	D. check ov	er		
6. We'll have to the	old building befo	ore they start work.		
A. reached out to	C. join the ra			
B. drive into	D. pull	down		
7. We need to the ro	oof before it falls dow	n.		
A. fit in with	C. drive into			
B. shore up	D. ace a test			
8. The engineer has to	the joints before l	eaving the site.		
A. drive into	C. fence off	, and the second		
B. eat away	D. check ove	r		
9. We need a suitable size	ze of nails to be tl	nat old chair to be rep	aired.	
A. shored up	C. driven int	-		
B. pulled down	D. eaten awa	y		
10. Houses by the sea ar	e usually faster b	ecause of moisture.		
A. eaten away	C. checked o	ver		
B. fenced off	D. driven int	0		
11. The police have	the crime theatre in	order to start investig	ation.	
A. knocked at	C. eaten awa	_		
B. fenced off	D. driven int	o		Answers:
12. We moved the chair	rs my bedroom	l.		1 - D 2 - C
A. onto	B. about	C. into	D. at	3 - B
13. The actor ran	the stage.			4 - A 5 - B
A. of	B. onto	C. into	D. about	6 - D 7 - B
				8 - D
14. They walked A. to	B. of	C. about	D. off	9 - C 10 - A
			2.011	11 - B 12 - C
15 . We moved the chair A. about		I. C. on	D. out of	13 - B
A. about	B. at	C. OH	D. out of	14 - A 15 - D



16. The actor ran	the stage.		
A. at	B. off	C. into	D. about
17. We drove Loi	ndon.		
A. about	B. out	C. onto	D. from
18. My brother drove	Homs in one hour.		
A. to	B. about	C. into	D. off
19. The vase fell the	table and shattered on	the floor.	
A. onto	B. out	C. into	D. off
20. She suddenly turned	and crashed the fe	nce.	
A. to	B. from	C. into	D. around
21. What time does the f	light Cairo arrive?		
A. around	B. from	C. into	D. in
22. I slipped as I stepped	l the platform.		
A. to	B. about	C. onto	D. in
23. Take your hands	. your pockets and help	me!	
A. to	B. out of	C. into	D. about
24. The monkey escaped	its cage and jumpe	ed into the lake.	
A. off	B. from	C. at	D. out of
25. It took a long time to	get the monkey the	e lake and back <u>into</u> its c	age.
A. of	B. into	C. onto	D. out of
26. Henry drove his car.	the beach and then	he couldn't move it beca	use the wheels sank <u>into</u> the
sand.	D. 1.		D .
A. about	B. into	C. onto	D. in
27. In the end he needed			T
A. off/onto	B. to/out of	C. from/off	D. onto/off
28. We thought we shoul			
A. on	B. from	C. to	D. into
29. Which /t/ sound of the	_		5
A. fact	B. act	C. perfectly	D. night
30. Which /d/ sound of t	_		D.11
A. pounds	B. food	C. sand	D. hand Answer
31. What about joining or	= -	T. ((express hesitation) 17 - D
A. I'm not sure about it. B. Well, I agree.		, I refuse. possible!	18 - A 19 - D
G		•	20 - C 21 - E
32. Your friend asks you father's opinion.	to join his football team	ı. You'd like to but you ai	ren't sure about your 22 - C (express hesitation) 23 - E
A. That's true. I haven't th	nought about that before		24 - B 25 - D
B. Oh, I don't know wheth	· ·		26 - 0
C. Why not?			27 - A 28 - C
D. Of course I accept.			29 - C 30 - A
			21 /

32 **-** B



33. Your friends are going on a journey to Aleppo and want you to join them. But it's your sister's birthday at the same time. (express hesitation)

- A. When is the journey?
- B. I agree.
- C. I'm not sure about that.
- D. But what could be the reason behind that?

34. Your family are having dinner at a restaurant but you have an exam next week.

A. Sure, I will go.

(express hesitation)

- B. Certainly, I can go.
- C. I haven't made up my mind yet.
- D. That's true. I haven't thought about that before.

35. Do you think that students will study at home instead of going to school? (express hesitation)

- A. I am not sure about that.
- B. Perhaps I can.
- C. I am not very good at
- D. I don't know whether I could

36. Would science and technology find a cure for cancer?

(express hesitation)

- A. Perhaps I can.
- B. I don't know much about that.
- C. I am not very good at
- D. I don't know whether I could

37. I've heard that Moroccan people won't need a visa to go to Europe. Is that certain for you?

A. I don't know whether I could

(express uncertainty)

- B. Perhaps I can
- C. I am not very good at
- D. I am not sure about that

38. Do you think that Indonesian will be an international language in the future?

A. Perhaps I can.

(express uncertainty)

- B. It might be!
- C. I am not very good at
- D. I don't know whether I could

39. Are you sure that Arsenal will win the game?

(express uncertainty)

- A. It might work
- B. Perhaps
- C. Perhaps I can
- D. I am not very good at

Answers:

33 - C

34 - C

37 - D

38 - B

39 - B



Grammar

The causative verbs



رابط شرح الدرس

نستختدم قاعدة السببية عندما نريد إيضاح أننا المستفيدون / المتضررون من الفعل و لكن لا نقوم به بأنفسنا على سبيل المثال:

My father repaired the car.

أبي هو من قام بإصلاح السيارة بنفسه - أي هو الفاعل - و هذه ليست جملة سببية بل فعل ماض عادي

My father had the car repaired.

أبي ليس هو من قام بإصلاح السيارة بنفسه, من المحتمل أنه ذهب الم حرفي سيارات - أي هو ليس الفاعل - و هذه جملة سببية

Form recipient have / get Object + V_3 + Complement المستفيد نضع have / get بصيغة مناسبة للجملة المفعول الفعل التتمة أو المتضرر الرئيسية Present simple have / get Past simple had/got هو الشخص أو is - am - are + **Present continuous** الشىء having/getting عادةً يكون المستفيد أو نضع التكملة ان نظامی was - were + having شيء وهو Past continuous المتضرر من وجدت, و عادةً لا gĺ / getting الذي يقع الفعل شاذ نجری أی تغییر علیها عليه الفعل. Present perfect have - has + had / got (ولکنہ لیس Past perfect had + had / got الفاعل) Modals Modal + have / get Any verb with to The verb + have / get **Examples** Present simple I have / get my hair cut every month. Past simple I had / got my hair cut last month. **Present continuous** I am having / getting my hair cut now. Past continuous I was having / getting my hair cut when you called me. Present perfect I have had/got my hair cut recently. Past perfect I had had / got my hair cut before you arrived. **Modals** I must have / get my hair cut, it's getting long. Any verb with to I ought to have / get my hair cut.



عند وجود ضمير انعكاسي في الجملة:

عندما نجد الضمائر Myself, yourself, herself ...الخ أو الكلمة Own في الجملة نحذف الضمير الانعكاسي أو كلمة Own ثم نقلب الإثبات إلى نفي و العكس صحيح مع مراعاة الزمن بالتأكيد.

My father fixed the car himself

My father didn't have the car fixed.

My father didn't fix the car himself

My father had the car fixed.

ملاحظة هامة

My father fixes the car	My father fixes the car himself	My father doesn't have the car fixed	The car is fixed by my father
حاضر بسيط	حاضر بسيط مع ضمير انعكاسي	جملة سببية بحالة النفي	جملة مبني للمجمول

كل الجمل السابقة متطابقة في المعنى, و المقصود أن الأب في المثال السابق هو من اصلح السيارة بنفسه من دون الاعتماد على فاعل خارجي.

My father doesn't fix the car	My father doesn't fix the car himself	My father has the car fixed	The car isn't fixed by my father
حاضر بسيط بحالة النفي	حاضر بسيط بحالة النفي مع ضمير انعكاسي	جملة سببية	جملة مبني للمجهول بحالة النفي

كل الجمل السابقة متطابقة في المعنى, و المقصود أن الأب في المثال السابة <mark>لم يصلح</mark> السيارة بنفسه وربما قام بالاعتماد على فاعل خارجي.

— النكشات

كيف تفرق بين السببية و المبني للمجمول في حالة التام وبين الحاضر / الماضي التام المستمر ؟



Perfect continuous tense	Passive v	voice with perfect	Causative with perfect		
They have / had been changi the tires.		s have/had been nged by them.	They have / had had the tires changed		
د الفعل المساعد (have/had) يوجد $ m been + V_{ing}$		had) بعد الفعل المساعد been + ${f V}_3$	بعد الفعل المساعد (have/had) يوجد had + ${f V}_3$		
فاعل يكون قبل الفعل والمفعول به	فعل والفاعل ا	المفعول به يكون قبل الا	المستفيد/المتضرر يكون في بداية الجملة		
بعد الفعل	يُحذف	بعد By ويمكن أن	ومن قام بالفعل غالباً مجمول		
	Examples				
He has been cleaning the roo all day.	m The room l	has been cleaned by him.	He has had the room cleaned.		
			هو المستفيد من تنظيف الغرفة (ولكن		
هو من قام بتنظيف الغرفة (فاعل)	(مفعول به)	الغرفة من تم تنظيفها (ليس هو من نظفها بنفسه أي الفاعل غير مذكور)		



———— Choose the correct answer —————

1. My father had the car A. mend	B. mends	C. mended	D. had mended	
2. My father didn't	the car mended			
A. have	B. has	C. had	D. have had	
3. I my shoes repair A. will	D. must have			
4. My mother goes to the	at shop. She the ca	arpets cleaned there.		
A. have	B. has	C. will	D. must	
5. I'd almost forgotten. I	a new key made i	for the house.		
A. ought to have B. ought to get C. ought to had			D. Both A&B	
6. That shop isn't expens	sive. I my watch	mended there last week.		
A. get	B. gets	C. got	D. am getting	
7. I don't think I can affo	rd to have our flat			
A. painted	B. paint	C. paints	D. painting	
8. Hudaher bag pı	ılled off her shoulder l	last week.		
A. has	B. had	C. have	D. is having	
9. Ali had his driving lice	ence taken away	the police.		
A. by	B. with	C. for	D. in	
10. Mona had her glasse	c			
A. break	B. breaks	C. broke	D. broken	
11. We had our electrici	ty cut off because we	to pay the bill.		
A. forget	B. are forgetting	C. had forgotten	D. would forget	
12. John had his clothes	in a fight.			
A. tear	B. tears	C. are tearing	D. torn	
13. If I go to a barber, I	my hair cut.			
A. have	B. will have	C. can have	D. all of them are correct	
14. If I go to a mechanic, I can my car serviced.				
A. get	B. gets	C. got	D. am getting	
15. If I to a carpenter, I can have my chair mended.				
A. go	B. went	C. had gone	D. was going	
		C	6	
16. If I go to a tailor, I A. am	B. can	nade? C. was	D. were	
			D. WEIC	
17. I stood so close to the fire that Imy legs burnt.				
A. get 18. Ahmad the me	B. got	C. will got	D. have got	
A. want to have	C. wanted to	= =		
B. wants to have	D. has wanted to have			



19. Ranaher hair twice a year.

A. had / cut

C. had to have / cut

B. has / cut

D. didn't has / cut

20. Yesterday, my mother her eyes by the optician.

A. has / checked C. had / checked

B. will have / checked D. is going to have / checked

21. Mrs. Hakim won't check her heartbeat herself next week. She

A. has it checked C. will have it checked B. had it checked D. didn't have it checked

22. We the front door of our house tomorrow.

A. had/mended C. are going to have/mend B. have/mended D. are going to have/mended

23. I painted the house myself. I

A. don't have it painted

B. don't have painted it

C. didn't have it painted

D. will have it painted

24. Tom his pay yesterday.

A. has / reduced C. doesn't have / reduced

B. will have / reduced D. had / reduced

25. I am not repairing my car myself. I

A. have it repaired C. had it repaired

B. didn't have it repaired D. am having it repaired

26. Last Sunday, Tareq his windows

A. has/cleaned C. will have/cleaned

B. had/cleaned D. doesn't have/ cleaned

Answers:

1 - C 2 - A

3 - D

4 - B

5 - D

6 - C

7 - A 8 - B

9 - A

10 - D

11 - C 12 - D

13 - D

14 - A

15 - A

16 **-** B

17 - B 18 - C

19 – B

20 - C

21 - C 22 - D

23 - C

24 - D 25 - D

26 - B



Workbook

SHABAB Project

Page 39

Reading

Most students, when they go to university, see this **experience** as a first step in their **career**. Where then they will go to the job market to get an **opportunity**. But some students have some great **ideas** and don't wait until they **graduate**. With so many free **resources** and technology **available**, many students are able to find different ways to start their own small business while they are still in **college**.

SHABAB Strategy Highlighting and Building Abilities for Business is one of the projects of the Syrian Trust for Development headed by Asma al-Assad. It is a non- profit Syrian project that works on rehabilitating the skills of young people between the ages of 15 and 24 and developing their basic skills. It is the first project of its kind in Syria that aims to support the culture of organising and operating a business among Syrian youth to encourage them to enter the business world and provide young people with skills that enable them to become productive members of society. It also aims to create a positive impression on the Syrian society towards working in the business world and establishing small projects.

SHABAB Project aims to providing **practical training** and career **advice** to university students to improve future employment **prospects**. The training courses **range** from the **rules** of **conducting** job **interviews** and writing a CV or **enhancing** knowledge of the business environment and developing professional skills. **Certified coaches** and career **advisors** coach and **guide** students as they search for a job in the **labour** market or **evaluate** their career. While the courses for **outstanding** students who **aspire** to be **pioneers focus on** teaching the basic **principles** of business and helping them develop their own businesses. At present, the project **operates** within three **clinics** that work in three Syrian universities, and the project has so far succeeded in reaching 175,000 students.

الكلمات الملونة هي كلمات مهمة، إذا كنت تعرفها فلا تُعر اهتماماً للتلوين.

Translation

يرى معظم الطلاب عندما يذهبون إلى الجامعة أن هذه التجربة تمثل الخطوة الأولى في <mark>حياتهم المهنية</mark>. حيث يتوجهون بعد ذلك إلى سوق العمل للحصول على فرصة عمل، ولكن بعض الطلاب يتحلون ببعض الأفكار الرائعة ولا ينتظرون حتى التخرج. فمع توفر العديد من الموارد والتقنيات المجانية، يستطيع الكثير من الطلاب إيجاد طرق مختلفة لبدء أعمالهم التجارية الصغيرة وهم لا يزالون في الكلية.

مشروع "إبراز وبناء القدرات في مجال الأعمال" هو أحد مشاريع الأمانة السورية للتنمية التي ترأسما السيدة أسماء الأسد. وهو مشروع سوري غير ربحي يعمل على إعادة تأهيل مهارات الشباب الذين تتراوح أعمارهم بين 15 و24 عامًا وتطوير مهاراتهم الأساسية. ويعد المشروع الأول من نوعه في سوريا الذي يهدف إلى دعم ثقافة تنظيم وتشغيل الأعمال التجارية بين الشباب السوري لتشجيعهم على دخول عالم الأعمال وتزويد الشبان بالمهارات التي تجعلهم أعضاء منتجين وفاعلين في المجتمع. كما يهدف أيضًا إلى خلق انطباع إيجابي لدى المجتمع السورى تجاه العمل في عالم الأعمال وتأسيس المشاريع الصغيرة.



يهدف مشروع "شباب" إلى توفير التدريب العملي والمشورة المهنية لطلاب الجامعات لتحسين فرص العمل في المستقبل.

تتراوح الدورات التدريبية ما بين قواعد إجراء مقابلات العمل وكتابة السيرة الذاتية أو تعزيز المعرفة ببيئة العمل وتطوير المهارات المهنية. يقوم المدربون والمستشارون المهنيون المعتمدون بتدريب الطلاب وإرشادهم أثناء بحثهم عن وظيفة في سوق العمل أو تقييم حياتهم المهنية. بينما تركز الدورات المخصصة للطلاب المتميزين الذين يطمحون لأن يكونوا روادًا على تعليم المبادئ الأساسية للأعمال ومساعدتهم على تطوير أعمالهم الخاصة. يعمل المشروع حاليًا ضمن ثلاث مراكز تعمل في ثلاث جامعات سورية، وقد نجح المشروع حتى الآن في الوصول إلى 175,000 طالب وطالبة.

مفردات النص الأساسية			
career	مسيرة ممنية	professional life	
developing	تطوير	improving one's abilities	
aspire	يطمح	seek to attain a goal	

Read the text and answer the following questions:

1. Some students d	on't wait until the	y graduate to go	to the job marke	t because they	have some
great					

A. firms C. ideas

B. companies D. businesses

- 2. SHABAB Project aims to provide to university students to improve future employment prospects.
- A. theoretical training and career advice
- B. practical training and financial support
- C. practical training and career advice
- D. imaginary training and career advice
- 3. At present, the project operates within three clinics that work in......
- A. three Syrian universities
- B. three international universities
- C. two Syrian universities
- D. only Damascus university
- 4. Different sources of technology make it easier for university students to start their own business.
- A. true
- B. false
- 5. SHABAB Project targets postgraduate students.
- A. true
- B. false



- 6. The project is based on helping young people for free.
- A. true
- B. false
- 7. The project is being applied in all Syrian cities.
- A. true
- B. false
- 8. The word "career" means:
- A. professional life
- B. improving one's abilities
- C. seek to attain a goal
- D. productive
- 9. The word "aspire" means:
- A. professional life
- B. improving one's abilities
- C. seek to attain a goal
- D. productive
- 10. The word "developing" means:
- A. professional life
- B. improving one's abilities
- C. seek to attain a goal.
- D. postgraduate

Answers:

1 **-** C

2 - C 3 - A

4 - A

5 - B

6 - A

7 - B 8 - A

9 - C



_____ Choose the correct answer _____

	n that nowadays nobody cares about anything.		
A. come B. have come	C. will come D. has come		
-	ours when the storm suddenly broke.		
A. had been running B. have been running	C. are running D. have run		
G			
	the repairs until the end of last year.		
A. will pay B. have been paying	C. have paid D. had been paying		
1 , 0	1 7 0		
4. She on that manus			
A. has been working B. had been working	C. is working D. was working		
	ŭ		
	ss her driving test but fails every time.		
A. kept B. is keeping	C. keeps D. was keeping		
1			
<u>-</u>	ence now-while I try this experiment.		
A. am wanting B. want	C. have wanted D. was wanting		
7. I can't leave now. I fo	-		
A. was waiting B. had waited	C. have waited		
D. Hau waneu	D. am waiting		
8. I was just wondering what while I was away.			
A. has happened	C. had happened		
B. happens	D. is happening		
	some of the best novels in recent years.		
A. has written	C. was writing		
B. wrote	D. had written		
•	youyour house broken into?		
A. do / have	C. have / had		
B. did / have	D. have / have		
11. I can't phone for an ambul			
A. loses	C. am losing		
B. have lost	D. will lose	Answers:	
12. She hurt her back while sh		1 - B 2 - A	
A. is working	C. has worked	3 - D	
B. was working	D. had worked	4 - A 5 - C	
13. Tropical storms often		6 - B 7 - D	
A. occur	C. are occurring	8 - C	
B. will occur	D. have occurred	9 - A 10 - C	
14. Please don't make so mucl		11 - B 12 - B	
A. 'm trying	C. tried	13 - A	
B. try	D. has tried	14 - A	



15. I always the TV ne	ws when I lived abro	oad.		
A. have watched		C. watched		
B. am watching		D. will watch		
16. I didn't watch the pro	gramme about hurr	icanes on TV last night, bec	ause Ia similar	
programme.	o .	3 /		
A. had already seen		C. has already seen		
B. was already seen		D. is already seeing		
17. Food by farme	ers all over the coun	trv.		
A. grow		C. is grown		
B. grows		D. are grown		
18. In the past, traditiona	al mothods	hy farmore		
A. are used	ii iiietiious	C. have been used		
B. were used		D. had been used		
19. Nowadays, more sopl	nisticated methods	_		
A. are being used		C. have been used		
B. were being used		D. had been used		
20. Since the 1970s, man	y plants dedicated to	producing agricultural eq	uipment By the	•
government such as truc	ks, tractors and ferti	llisers.		
A. have constructed		C. have been constructed		
B. had constructed		D. had been constructed		
21. Special banks for givi	ng loans to farmers	have alsoestablis	shed by the government.	
-	. be	C. being	D. been	
22. Many naths have hee	n in the f	arming lands by local coun	cils to facilitate the move	ement
of crops to the market.		urming lunus by locul coun	cits to lucintuite the move	
<u>-</u>	. opened	C. opening	D. none of them	
•	1	1 0	and the Ministra	c
Economy for importing s		y the Ministry of Transport	as well as the Ministry o	I
	. are	C. be	D. been	
A. 15	. are	C. De	D. been	
	•	rmers to transport their cr	-	
A.to be B	. be	C. being	D. been	
25. An email to	you confirming you	ır purchase.		
	was send	C. is sending	D. is sent	
26. Safety procedures	Ry naonla			
· -	will follow	C. must be followed	D. can follow	Answers:
			D. carrionow	15 - C 16 - A
27. Confidence		· =	D:1: 1.	17 - C 18 - B
A. was being lost B.	was lost	C. had been lost	D. is being lost	19 - A
28. Ms. Lee tak	ing things from the s	shop.		20 - C 21 - D
A. have been caught B.	had been caught	C. has caught	D. had caught	22 - B
29. It by account	ants that the firm m	ade a loss.		23 - B 24 - B
A. was been reported B.		C. has been reported	D. have been reported	25 - D
30. Raneem wants H	-	- r	, r	26 - C 27 - D
	to have	C. to get	D. Both B and C	28 - B
		-		29 - C 30 - D



31. I have the oil in my car (by the mechanic). C. has changed A. change B. changed D. had changed 32. The patient had his leg After the accident. A. amputated B. amputate C. has amputated D. had amputated 33. I usually my glasses mended at the shop on the corner. A. have B. has C. had D. to have 34. We our house repaired last month. A. have B. has C. had D. to have 35. I My DVD player repaired next week (by a friend of mine, who's an electrician). B. had to have A. had C. was going to have D. am going to have 36. Lisa the hairdryer yesterday. A. has/repaired B. had/repaired C. is having/repaired D. will have repaired 37. I my hair yesterday. D. had/cut A. have/cut B. can have/cut C. will have/cut 38. I the oil in my car at the moment. A. am having/changed C. had/changed D. didn't have/changed B. have/changed 39. Ben that wall tomorrow. A. has/built C. has have/built B. is going to have/built D. doesn't have/built 40. My father the trees recently. A. has had/planted C. has have/planted B. has has/planted D. had had/planted 41. Sara the room every day. A. had/tidied C. didn't have/tidied B. will have/tidied D. has/tidied 42. Why should I change my habits to their way of life? C. ace a test A. go under the knife B. follow through D. fit in with 43. They are the bottom part of the garden because of a deep hole. A. fitting in with C. fencing off B. following through D. pulling down 44. More and more women are choosing to to improve their appearance. **Answers:** A. fit in with C. follow through 31 - B 32 - A B. go under the knife D. back the wrong house 33 - A 34 - C 45. In a few years, our country should be able to the world's most developed nations. 35 - DC. fit in with A. join the ranks of 36 - B37 - D D. fence off B. follow through 38 - A39 - B46. I think you're supporting the wrong person. You shouldn't 40 - A A. be on a roll C. follow through 41 - D 42 - D B. back the wrong house D. fit in with 43 - C 44 - B 45 - A 46 - B

54 - A 55 - D 56 - B 57 - A 58 - B 59 - B



A. fit in with B. fenced off		C. at death's door D. aced a test		
48. He has never mad A. follow through B. fit in with	de an effort to cur	rent events. C. reach out to D. keep up with		
49. When we were on A. shore it up B. jack it up	n our way to Aleppo, o	our car broke down and C. follow through D. join the ranks of	we had to	
	walkthe platform		D ()	
A. onto	B. into	C. for	D. after	
51. He got into his ca A. with	r and drove B. for	C. from	D. off	
52. I'm surprised by A. vary	the Of university B. various	department that a high C. variety	rank student can choose. D. very	
53. A successful pers A. real	on is able to different B. realize	iate between fantasy an C. reality	d D. really	
54. When I grow up, A. biologist		C. biological	D. biologically	
55. My elder brother A. special	is a in designing a B. specialization	artificial limbs. C. specialized	D. specialist	
56. Very soon, po A. electricity	wer will be supplied l B. electrical	by underground cables. C. electronically	D. electrically	
57. Your school team A. Very well done! Ke B. I am sorry about w C. I am sure this won D. You will do much	hat happened. 't happen again.	ıll match.	(Express congratulations)	
A. I am sorry about w	hat happened. ures that should be fol 't happen again.	er sister is going to help lowed?	you to do it. (Ask for information)	
59. Your neighbour h A. You should eat sug B. You'd better reduc	9	e likes eating sweets.	(Give advice) Answe	
C. We are very proud D. Congratulations!	0 0		47 - C 48 - E 49 - E 50 - A 51 - E 52 - C	3 1
			53 - C	-

47. Being late to work, the worker told his boss a story about his mother being