UNIT 5 INVENTIONS

TEST YOURSELF

I.A. Mark the letter A, B, C, or D to indicate the word whose underlined part differs from the other three in pronunciation in each of the following questions.

1. A. costly B. fastener C. portable D. smartphone
2. A. determine B. profile C. science D. versatile
3. A. benefit B. generous C. inventor D. video

I.B. Mark the letter A, B, C, or D to indicate the word that differs from the other three in the position of the primary stress in each of the following questions.

4. A. hot tea B. phone call C. soft ware D. tall boy
5. A. bus stop B. cell phone C. light bulb D. white board

II. Look at the picture and write the word under each picture.

 1. _____	 2. _____	 3. _____	 4. _____
 5. _____	 6. _____	 7. _____	 8. _____
 9. _____	 10. _____	 11. _____	 12. _____

III. Gap - filling: Choose the suitable words from the box to complete the sentences.

economical	*chop*	*wisely*	*inventions*	*submarine*
contributed	*versatile*	*earbuds*	*oceans*	

to music without disturbing other people.

LIVEWORKSHEETS

2. This kind of car is very _____ so we do not have to spend too much money on buying petrol or diesel.

3. The computer is said to be one of the most significant _____ of human beings.

4. If you use the internet _____ discover a variety of new things.

5 In our modem life, people have loads of work to do, so they want to own the very _____ devices which can do many things.

6. We can use a laptop or a smartphone to get _____ to the Internet.

7. To feel at ease, some children use a handheld video game device to play computer _____

8. A food processor is normally used to _____ up or mix food.

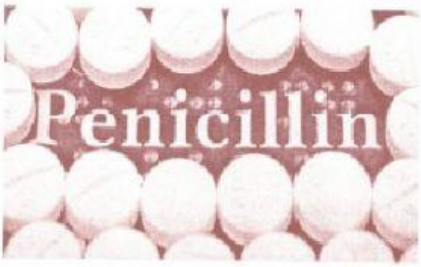
9. The _____ which can travel underwater, imitates a dolphin's shape.

10. Science and technology have _____ to environmental protection and natural preservation.

IV. Match each word/phrase on the left with Its description on the right.

1. bulky	a. the source makes someone want to create something
2. access	b. to copy somebody/something
3. congestion	c. the opportunity or right to use something
4. imitate	d. large and difficult to move or carry
5. inspiration	e. the state of being crowded and full of traffic

V. Read the following text about the discovery of penicillin. Fill in the blanks with the correct form of the words in brackets.



Penicillin is a (1)…… (NATURE)occurring substance, which is why we credit Sir Alexander Fleming with discovering rather than inventing it. And to be (2)……. (ABSOLUTE)correct, he re-discovered it three decades after a French medical student first made note of it. And, what's more, the (3) ……. (DISCOVER) came after Fleming left a petri dish out in the lab by accident!

In 1928, Fleming noticed that a blue-green mould had contaminated another specimen in the lab and that bacteria on the dish were being (4) …….(DISSOLVE). He experimented with the mould and found that it killed a number of disease-causing bacteria. He named it penicillin and published his (5) ……. (FIND)in 1929.

Despite this great discovery, penicillin wasn't (6) ……. WIDE) used straight away.

LIVEWORKSHEETS

After undergoing (7) ……. (CLINIC) trials in 1943, it was first used on a large scale during World War Two to treat wounded soldiers. It wasn't until 1948 that AndrewJ Moyer, one of the scientists responsible for this progress, was granted a patent for a method for penicillin mass (8) ……. (PRODUCE).

In 1945, the Nobel Prize in Physiology or Medicine was awarded (9) ……. (JOIN) to Sir Alexander Fleming, Ernst Boris Chain and Sir Howard Walter Florey, "for the discovery of penicillin and its (10) ……. (CURE) effect in various infectious diseases".

VI. A. Mark the letter A, B, C, or D to indicate the word(s) CLOSEST in meaning to the underlined word(s) in each of the following questions.

1. A digital camera is more economical than a film camera since you don't have to buy rolls of films.

A. better B. cheaper C. safer D. stronger

2. You can use earbuds to listen to music or your listening everywhere, even in public place, as nobody is disturbed.

A. annoyed B. connected C. imitated D. interacted

3 . You can use a USB stick to transport files from one computer to another.

A. delete B. display C. transfer D. store

4 . Smartphones are very versatile, as they can do many things like making phone calls, taking pictures, or listening to music.

A. capable B. flexible C. helpful D. interesting

5. When collapsing the wings, a flying car is just a little bit bigger than a normal car.

A. dropping B. fixing C. folding D. opening

VI.B. Mark the letter A. B, C, or D to indicate the word(s) OPPOSITE in meaning to the underlined word(s) in each of the following questions.

1. Nutritious snacks provide an important contribution towards your child's daily nutritional needs.

A. Inexpensive B. Uncooked C. Unhealthy D. Unpacked

2. A smartphone is too costly for him to even have a normal one.

A. economical B. expensive C. priceless D. valuable

3. Many people are afraid that computers with superhuman intelligence will destroy humanity.

A. awareness B. perception C. stupidity D. wisdom

4 . Speakers are too bulky. You cannot put them in your bag or your pocket.

A. giant B. heavy C. large D. tiny

LIVEWORKSHEETS

5. A digital camera is convenient as it is quick to view and delete as well as easy to transfer photos to a computer.

A. harmful B. inexpensive C. uninteresting D. useless

VII. Choose the best answer.

1. They try to ***imitate*** the wings and shape of animals in nature to produce parts of vehicles. The underlined word has the closest meaning to:

A. irritate B. irrigate C. paste D. copy

2. Paul: "What do you think is the most useful invention in medicine?" - Kate: "_____"

A. I don't think it is useful. B. This is because people use a lot of penicillin.

C. Perhaps it is the discovery of penicillin. D. Just by chance.

3. In order to be taken away and used everywhere, modem inventions have a tendency to be small and _____.

A. import B. coastal C. airport D. portable

4. Even the best invention may have both _____ and drawbacks.

A. benefits B. disadvantage C. advantaged D. benefited

5. "I started working for the Charity Center 5 years ago and now I'm still working here." has the closest meaning to:

A. I have started working for the Charity Center 5 years ago.

B. I have started working for the Charity Center for 5 years.

C. I have worked for the Charity Center since 5 years.

D. I have worked for the Charity Center for 5 years.

6. People have used vaccination to prevent diseases _____ a long time.

A. for B. since C. when D. as

7. Brian has inspired thousands of students across the country since he _____ from a pedagogical university.

A. graduate B. graduating C. graduated D. graduation

8. Jim has stayed at home _____ last week.

A. for B. since C. when D.as

LIVEWORKSHEETS

9. Scientists have researched into effective ways to treat this disease _____ last year's epidemic.

A. for B. since C. when D. as

10. This robot is very ***versatile***, as it can be used to perform many different tasks. The underlined word has the closest meaning to:

A. multipurpose B. limited C. inflexible D. purposeless

11. This athlete_____ a number of international awards since 1990.

A wins B. won C. has won D. have won

12. The Internet has changed the way we purchase, interact and research since it _____

A. invent B. was invented C. invented D. be invented

13. __from a business trip to France.

A.I come back B. I came back C. I never came back D. I've just come back

14. Our hen _____ for nearly 10 days, so we have no eggs in our fridge now.

A. did not lay B. has not laid C. have not lain D. has not lay

15. More than 40 patterns on silicon surfaces _____ with that paintbrush so far.

. A. printed B. were printed C. have printed D. have been printed

16. We can use USB ____ information.

A. for being store B. for store C. to store D. to storing

17. He ____ for the Google since 2014.

A. has worked B. is working C. was working D. worked

18. Her children ____ their homework yet. They arc still working on it.

A. hasn't finished B. hasn't finishing C. haven't finished D. haven't finishing

19. How long ____ your best friend?

A. did you know B. do you know C. have you known D. are you knowing

20. YouTube ____ to become the world most popular video-sharing website since 2005.

A. has grown B. have grown C. grew D. grows

21. J.K. Rowling's "Harry Potter" books ____ in many countries.

A. has been published B. have been published

C. was published D. were published

22. "Would you like a coffee?" - "No thanks. ____ one."

LIVEWORKSHEETS

A. I just had B. I just have C. I was just having D. I've just had

VIII. Find and correct mistakes in the following sentences.

1. A *number* (A) of students *registered* (B) this *course* (C) since last *September* (D).

2. They *participated* (A) in *social* (B) activities at *the* (C) castle for the past *few* (D) years.

3. Both inventors and engineers look for (A) ways to improve (B) things in areas like (C) health, food, safety, transportation, aerospace, electronics, communicator(D), and the environment.

4. The invention of (A) the telephone marked (B) the beginning of a (C) new era in communicative (D) technology.

5. Chemical engineer, Doctor Robert G Bryant works (A) for NASA's Langley Research Center and (B) patented (C) numerous inventions (D) .

6. Many young people now use (A) computers for playing (B) games rather (C). than study (D) .

7. You can use a tablet to (A) listening to (B) music, surfing (C) web or chatting (D). with friends.

8 . IBM is an artificial intelligence (A) computer system and is used (B) to answering (C) questions posed (D) in natural language.

9 . Scientists have researched (A) since (B) years into (C) ways of curing (D) cancer patients.

10. Life without (A) computers has seemed (B) simply (C) impossible (D) now.

IX. Rearrange the words/phrases to make meaningful sentences.

1. storing / A / can / hard disk / used / a / for / information / be / in /computer.

.....

2. computer / We / a / install / modem / a / surf / the / to / Internet. / for

.....

3. pages / How / typed / many / ? / you / have

.....

4. phoned / Sam / 2 months. / has / her / the past / not / for / parents

.....

5. achievements / Scientists / in / have / great / technology / made / and / information /.

.....

X . A. Read the passage and choose the best answer.

LIVEWORKSHEETS

MOBILE PHONES

When Scotsman Alexander Graham Bell (106) ____ the telephone in 1876, it was a revolution in communication. (107) ____ the first time, people could talk to each other over great distances almost as clearly as if they were in the same room. Nowadays, though, we (108) ____ usc Bell's invention for taking photographs, (109) ____ the Internet or watching video clips rather than talking. Over the last two decades a new (110) _____ of spoken communication has emerged: the mobile phone.

1 . A. has been invented B. is invented C. invented D. was invented

2. A. As B. By C. For D. Since

3. A. increase B. increased C. increasing D. increasingly

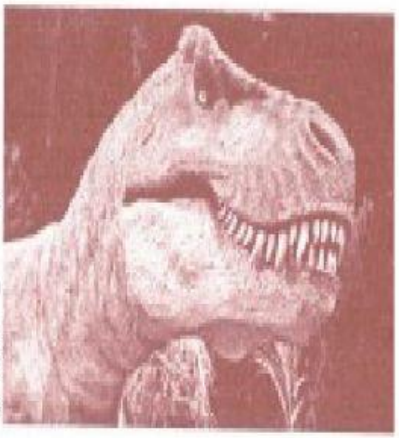
4. A. accessing B. contacting C. entering D. searching

5. A. aids B. means C. tools D. ways

X. B. Choose the suitable words below to complete the passage.

cool	*personal*	*inventions*

Japan held its biggest 1-..... recently. Companies showed off their latest 2-..... and robots.



There was a table tennis robot which you can play ping po uses motion tracking 3-..... the ball and serve it.

If you like 4-..... robots, there was an interesting One company showed a new robot 5-..... knows sign But if you want something really 6-....., you'll probal robot dinosaur. It is a 7-..... T-Rex. You can even 8 ..... it with your mobile phone.

X.C. Read the following passage and mark the letter A, B, C, or D to indicate the correct answer to each of the questions.

There are certain inventions and creations that people are aware of every day. There are, however, very few creations that we use our whole lives without ever thinking about or even seeing. But that is exactly what the London sewers are. **Their** crcator, Joseph Bazalgette, may be remembered as more of an engineer than an inventor, but what he developed in London - the largest

LIVEWORKSHEETS

and most forward-thinking sewage system the world had ever seen - changed life in the city completely.

There was a sewage system in place beforehand, but all it did was transfer waste straight into the Thames. It was basically one massive open sewer pipe. **By all accounts** it created a truly awful smell, reaching its peak during the Great Stink of 1858. Even more worryingly, it caused serious health problems, such as cholera, because it **contaminated** the city's drinking supply. Something had to be done, and Bazalgette was the man to do it.

His solution was phenomenal: a new waste system that would divert the sewage eastwards away from the river and pump it out to sea. By 1865 most of the system was working, the main intercepting sewers used 318 million bricks and measured over 80 miles in length. To do all that work above ground would have been one thing, but to create it underground was something else altogether. The **intricate** maze of sewer pipes more than 100 years old was just unbelievable. And the most amazing thing is that it still functions today.

The reason is that when Bazalgette designed the tunnels, he estimated how much the population of London would increase in the next 100 years and worked out how large the tunnels would need to be to meet the needs of the future and keep the system flowing, **which** is why the sewers are still in working order today, and why in our eyes it should be seen as a huge inventing achievement.

1. Which of the following is the main idea of the passage?

A. The efforts to save the dirty Thames

B. A creation that has changed Londoners' lives

C. The problems of the sewage system in London

D. The disadvantages to the invention of Bazalgette

2. Which of the following can be inferred from paragraph 1?

A. Bazalgette is more talented as an engineer than an inventor.

B. Bazalgette's invention receives public awareness.

LIVEWORKSHEETS

C. Bazalgette's invention has few effects on Londoners' lives.

D. Bazalgette's creation did not receive adequate acknowledgment.

3. The word "**their**" in the passage is closest in meaning to ____.

A. creations B. lives' C. sewers' D. inventions'

4. According to paragraph 2, what was the problem with the previous sewage system in London?

A. It took a lot of money to maintain.

B. It released all the waste straight into the sea.

C. It caused bad smells and health problems.

D. It was damaged badly during the Great Stink.

5. The phrase "**by all accounts**" in the passage is closest in meaning to ____.

A. beyond beliefs B. according to many

C. without doubt D. by all means

6. The word "**contaminated**" in the passage is closest in meaning to ____.

A. polluted B. purified C. contained D. released

7. The word "**intricate**" in the passage mostly means ____.

A. confusing B. complicated C. simplified D. interesting

8. Why was Bazalgette's invention impressive?

A. It took a hundred year to finish. B. It was 80 miles long.

C. It requires a lot of materials. D. It redirected the waste to the sea.

XI.A. Mark the letter A, B, C, or D to indicate the sentence that best combines each pair of sentences in the following questions.

1 . Apple MacBook is portable and versatile. I cannot afford it.

A. Although Apple MacBook is portable and versatile, 1 cannot afford it.

B. Because Apple MacBook is portable and versatile, I cannot afforsd it.

C. If Apple MacBook isn't portable and versatile, I might afford it.

D. No matter how portable and versatile Apple MacBook is, I can afford it.

2. William found a science book. It included instructions for building a windmill.

A. William found a science book which included instructions for building a windmill.

LIVEWORKSHEETS