**Name: …………………………………….. Date: …………………..**

**UNIT 5: Science and Technology**

**Lesson 1**

**A. PRONUNCIATION**

***I. Circle the word that has the underlined part pronounced differently from the others.***

|  |  |  |  |
| --- | --- | --- | --- |
| 1. A. space | B. sale | C. table | D. plate |
| 2. A. great | B. health | C. head | D. bread |
| 3. A. waste | B. camera | C. nature | D. paper |

***II. Circle the word that has a stress pattern different from the others.***

|  |  |  |  |
| --- | --- | --- | --- |
| 4. A. storage | B. table | C. disease | D. cycling |
| 5. A. gigabyte | B. vehicle | C. battery | D. disaster |

**B. VOCABULARY**

**I. Complete the text using the words in the boxes.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *inches* | *screen* | *weight* | *storage* | *tablet* |

The new (1) \_\_\_\_\_\_\_\_\_\_\_\_\_ is available on the market. A user needs to pay about one thousand dollars to get this flat computer. There are many choices of (2) \_\_\_\_\_\_\_\_\_\_\_\_\_ for different use. The highlight of the device is its big (3) \_\_\_\_\_\_\_\_\_\_\_\_\_. The display is eleven (4) \_\_\_\_\_\_\_\_\_\_\_\_\_. You can fell its (5) \_\_\_\_\_\_\_\_\_\_\_\_\_ when you get your hands on it for that size.

***II. Circle the correct options.***

6. These days, modern computers are often light in \_\_\_\_\_\_\_\_\_\_\_.

A. weight B. battery C. storage D. screen

7. The new tablet has longer \_\_\_\_\_\_\_\_\_\_\_ life than the old one. It can last close to eighteen hours.

A. battery B. storage C. gigabyte D. inch

8. The new device comes with a bigger display. Its \_\_\_\_\_\_\_\_\_\_\_ is 119 inches.

A. storage space B. powerful chip C. screen size D. home button

9. The new e-Pad comes with more than 500 \_\_\_\_\_\_\_\_\_\_\_. Its users can download more videos.

A. inches B. gigabytes C. batteries D. cameras

10. Modern smartphone produce good quality photos because they have better \_\_\_\_\_\_\_\_\_\_\_

A. gigabytes B. chips C. batteries D. cameras

**C. GRAMMAR**

***I. Circle the correct options.***

1. Are these tablets on sale today? – No, they **don’t/ aren’t**.

2. How **much/ many** storage does this laptop have? – It has 128 gigabytes of storage.

3. **What/ which** is the screen size of your laptop? – It’s 13.3 inches.

4. How **long/ far** can the battery last? – You can use it for half a day.

5. Can I take better photographs with this camera? – Yes, you **can/ are**.

***II. Circle ONE mistake in each sentence.***

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6. **How** | **many** | | | **camera** | | | | | | does this smartphone | | | | | | | | | | | **have**? | | |
| **A** | **B** | | | **C** | | | | | |  | | | | | | | | | | | **D** | | |
| 7. **Do** | this tablet | | | | | **have** | | | | | a | | **long** | | **battery life**? | | | | | | |
| **A** |  | | | | | **B** | | | | |  | | **C** | | **D** | | | | | | |
| 8. **Why** | **do** | | you | | **use** | | | | your phone | | | | | | | **for**? | | |
| **A** | **B** | |  | | **C** | | | |  | | | | | | | **D** | | |
|  |  | |  | |  | | | |  | | | | | | |  | | |
| 9. **How** | **many** | | | **does** | | | | the latest model | | | | | | | | | **cost** | | | you? | | |
| **A** | **B** | | | **C** | | | |  | | | | | | | | | **D** | | |  | | |
| 10. **Does** | | this laptop | | | | | **has** | | | | | the | | **same** | | | | storage space | | | | | | | **as** | that one? |
| **A** | |  | | | | | **B** | | | | |  | | **C** | | | |  | | | | | | | **D** |  |

**D. READING**

***I. Read the text about two types of smartphones. Complete each gap in the table with NO MORE THAN TWO WORDS AND/ OR A NUMBER.***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Last Wednesday, La Tomato introduced its new types of smart phones T14 and T14 Plus. How different are these smartphones? Let’s have a look at two of them. | | | | |
| **Screen**  The screen of T14 is 6.1 inches while T14 Plus has a bigger screen, which is 6.7 inches. Users can find it easier to read news or watch videos with a T14 Plus.  **Battery**  They have a long battery life. Their users can spend a whole day playing games, watching movies, listening to music, or visiting many websites. The T14 can last up to 20 hours while T14 Plus can last up to 24 hours. | | **Storage**  They both have 128, 256 or 512 gigabytes of storage. However, the T14 Plus comes with an extra option, which is one terabyte, so its users can feel free to store more data, documents, videos or music, and save thousands of pictures.  **Camera**  The T14 Plus has a better camera system with 48-megapixel camera system. | | **Weight**  The two models have different weight. A T14 Plus is 240 gram while T14 is only 174 grams.  **Price**  The prices depend on storage space. T14 can cost $799 for 128 gigabytes of storage, while T14 Plus is $1.099 for the same storage. |
|  | ***T14*** | | ***T14 Plus*** | |
| ***Screen*** | 6.1 inches | | better screen size with (1) \_\_\_\_\_\_\_\_\_\_\_\_ | |
| ***Battery*** | lasts for nearly (2) \_\_\_\_\_\_\_\_\_\_\_\_ | | up to one day | |
| ***Storage*** | 128 GB, 256 GB and 512 GB | | + the same options  + one more choice with (3) \_\_\_\_\_\_\_\_\_\_\_\_ | |
| ***Weight*** | 240 grams | | 172 grams | |
| ***Price*** | For (4) \_\_\_\_\_\_\_\_\_\_\_\_, the price is $799. | | $1.099 for the same (5) \_\_\_\_\_\_\_\_\_\_\_\_ | |

***II. Read the text again. Write* True, False *or* Doesn’t say.**

|  |  |
| --- | --- |
| 6. *La Tomato* announced the introduction of its new phones. | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 7. T14 comes with a 6.7-inch screen display. | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 8. Users can do more things with a T14 Plus tablet than with a t14 one. | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 9. Users can store more date with the extra option of one terabytes from t14 Plus. | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 10. T14 Plus is heavy because it has a big screen. | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**E. SPEAKING**

***Complete the conversation using the phrases in the box.***

|  |  |
| --- | --- |
| ***Annie:*** Hello, can you help me to (1) \_\_\_\_\_\_\_\_?  ***Sale assistant:*** Hi, certainly. What do you want to (2) \_\_\_\_\_\_\_\_ for?  ***Annie:*** I want to use it for entertaining, like (3) \_\_\_\_\_\_\_\_ and listening to podcasts.  ***Sale assistant:*** Well, there are Pad 15, and Sam A10.1  ***Annie:*** Why do people call it A10.1?  ***Sale assistant:*** Because it has (4) \_\_\_\_\_\_\_\_  ***Annie:*** What’s the weight?  ***Sale assistant:*** (5) \_\_\_\_\_\_\_\_ is only 469 grams.  ***Annie:*** (6) \_\_\_\_\_\_\_\_ does it have?  ***Sale assistant:*** They are 16, 64 and 128 GB of storage.  ***Annie:*** I need (7) \_\_\_\_\_\_\_\_, so perhaps the last one is (8) \_\_\_\_\_\_\_\_. Is the battery life long?  ***Sale assistant:*** Yes, it is. It can last (9) \_\_\_\_\_\_\_\_.  ***Annie:*** That sounds great! How much is it?  ***Sale assistant:*** It’s (10) \_\_\_\_\_\_\_\_.  ***Annie:*** I’ll take this. | *A. a 10.2-inch screen display*  *B. more than one day*  *C. Its weight*  *D. use your tablet*  *E. choose a tablet*  *F. to download videos and songs*  *G. suitable for me*  *H. watching movies*  *I. How much storage*  *J. $215* |

**F. WRITING**

***I. Make sentences using the prompts.***

1. How much/ this smartphone/ cost?

=>

2. these tablets/ good/ for self-study?

=>

3. How/ this laptop/ different/ the old version?

=>

4. you/ have/ a smartphone?

=>

5. How much/ storage/ it/ have?

=>

***II. Make questions for the underlined words.***

6. The new type of this phone has three cameras.

=>

7. This smartphone is 234 dollars.

=>

8. The battery of this laptop lasts for 24 hours.

=>

9. I use this tablet for listening to music.

=>

10. This laptop costs 25 million dongs.

=>

**Name: …………………………………….. Date: …………………..**

**UNIT 5: Science and Technology**

**Lesson 2**

**A. PRONUNCIATION**

***I. Circle the word that has a stress pattern different from the others.***

|  |  |  |  |
| --- | --- | --- | --- |
| 1. A. quicker | B. alone | C. alive | D. surprised |
| 2. A. heavily | B. wealthily | C. healthily | D. entirely |

***II. Circle the word that has the underlined part pronounced different from the others.***

|  |  |  |  |
| --- | --- | --- | --- |
| 3. A. deaf | B. health | C. head | D. leaf |
| 4. A. taste | B. waste | C. race | D. any |
| 5. A. pay | B. land | C. take | D. make |

**B. VOCABULARY**

***I. Circle the correct options.***

1. My robot cleaner is annoying. It can’t work **loudly/ quietly** and is always making noise.

2. I think the OP 12 is better for being a **rescuer/ cleaner.** It navigates better and works more carefully.

3. Our robot can **complete/ lift** heavy objects of around 300 kg.

4. Sarah loves her robot because it can **recognize/ navigate** her voice and does what she says.

5. The robot arm works very **carefully/ safely**. It puts everything in the correct place.

***II. Write the correct forms of the words in brackets.***

|  |  |
| --- | --- |
| 6. My robot vacuum works \_\_\_\_\_\_\_\_\_\_\_\_\_. There’s still dust on the floor. | (CARE) |
| 7. There are some problems with the robot’s \_\_\_\_\_\_\_\_\_\_\_\_\_ system. | (NAVIGATE) |
| 8. Face \_\_\_\_\_\_\_\_\_\_\_\_\_ technology is becoming more and more popular. | (RECOGNIZE) |
| 9. The design of the robot was \_\_\_\_\_\_\_\_\_\_\_\_\_, so I couldn’t build it. | (COMPLETE) |
| 10. Many factories started to use robots to improve the \_\_\_\_\_\_\_\_\_\_\_\_\_ of the workers. | (SAFE) |

**C. GRAMMAR**

***I. Read the information in the table. Give the correct forms of the adverbs in brackets.***

|  |  |  |
| --- | --- | --- |
| Ability/ Robots | Zipo | GS 34 |
| can run | 25 km/h | 35 km/h |
| can jump | 1.2 meters | 1 meter |
| can complete tasks | without damage | with some damage |
| can navigate | very well | OK |
| battery lasts | 24 hours | 36 hours |

1. GS34 runs \_\_\_\_\_\_\_\_\_\_\_ (fast) than Zipo.

2. Zipo jumps \_\_\_\_\_\_\_\_\_\_\_ (high) than GS34.

3. GS34 completes tasks \_\_\_\_\_\_\_\_\_\_\_ (carelessly) than Zipo.

4. Zipo navigates \_\_\_\_\_\_\_\_\_\_\_ (well) than GS34.

5. Zipo’s battery lasts \_\_\_\_\_\_\_\_\_\_\_ (short) than GS34’s.

***II. Read the information in the table in Exercise I. Circle the correct options.***

6. Zipo runs **more slowly/ faster** than GS34.

7. GS34 jumps **lower/ higher** than Zipo.

8. Zipo completes tasks more **carefully/ careful** than GS34.

9. GS34 navigates **worse/ better** than Zipo.

10. GS34’s battery lasts **longer/ shorter** than Zipo’s.

**D. LISTENING**

***I. Listen to a report about a robot competition. Write True or False.***

1. RoboCON takes place every year

2. The robots in the competition are made by high school students.

3. Four robots take part in the final round.

4. The robots have to complete four tasks in the competition.

5. **Tiger** completes his tasks faster than the other robots.

***II. Listen again. Fill in each gap with NO MORE THAN TWO WORDS.***

|  |  |  |  |
| --- | --- | --- | --- |
| ***Task/ Robots*** | ***Victory 1*** | ***Bunny*** | ***Tiger*** |
| lifting the object | successful for the (6) \_\_\_\_\_\_\_\_\_\_\_ time | broken | successful in the first time |
| climbing the stairs | in 1 minute | in 1.5 minutes |
| completing math tasks | in (7) \_\_\_\_\_\_\_\_\_\_\_ second | in (9) \_\_\_\_\_\_\_\_\_\_\_ second |
| arranging wood blocks | keep the blocks for  (8) \_\_\_\_\_\_\_\_\_\_\_ | keep the blocks for  (10) \_\_\_\_\_\_\_\_\_\_\_ |

**E. SPEAKING**

***Choose the robot which is better for each job and give the reason.***

|  |  |  |  |
| --- | --- | --- | --- |
| *“I think LO22 is better for being a cleaner. It cleans faster.”* | | | |
| ***sales assistant***  ***dancer***  ***driver***  ***rescue worker***  ***singer***  ***cleaner*** | **Abilities/ Robots** | **LO22** | **TK88** |
| dance beautifully |  |  |
| drive carefully |  |  |
| sing happily |  |  |
| calculate quickly |  |  |
| navigate well |  |  |
| clean fast |  |  |

**F. WRITING**

***I. Read the information in the table. Use the words in brackets to make sentences with* comparative adverbs.**

|  |  |  |
| --- | --- | --- |
| **Abilities/ Robots** | **Wall-E** | **Sparky** |
| can navigate | OK | very well |
| can run | 40 km/h | 45 km/h |
| can go | 50 km | 45 km |
| can move | quietly | very quietly |
| can search for objects | in a second | in 2 seconds |

1. (well)

2. (fast)

3. (far)

4. (quietly)

5. (slowly)

***II. Make sentences using the prompts.***

6. Chicko/ complete tasks/ quietly/ Birdie.

=>

7. Flash 1/ drive/ safely/ Flash 2.

=>

8. Redbot/ clean/ fast/ Blackbot.

=>

9. Birdie/ fly/ far/ Chicko.

=>

10. Ziggy/ dance/ beautifully/ Buster.

=>

**Name: …………………………………….. Date: …………………..**

**UNIT 5: Science and Technology**

**Lesson 3**

**A. VOCABULARY**

***I. Match the words to their definitions/ descriptions.***

|  |  |  |
| --- | --- | --- |
| 1. This is important part of something. | 1. | a. speaker |
| 2. You use this to fill a battery with electricity. | 2. | b. feature |
| 3. This is a component of your computer and it produces some audio signals. | 3. | c. store |
| 4. This is the act of keeping something somewhere for future use. | 4. | d. charger |
| 5. This means full of light or shining strongly. | 5. | e. brightness |

***II. Complete the text using the words in the boxes.***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *charge* | *speakers* | *bright* | *features* | *store* |

The latest model of smartphone that my mom bought for my 14th birthday anniversary is fantastic. It has a lot of new (6) \_\_\_\_\_\_\_\_\_\_\_\_\_. For example, I can unlock my phone with my voice. It also comes with more storage space. That makes it easier for me to (7) \_\_\_\_\_\_\_\_\_\_\_\_\_ more videos and songs. Its (8) \_\_\_\_\_\_\_\_\_\_\_\_\_ also offer better quality sounds. Another thing I like about my new phone is the screen. Everything looks very (9) \_\_\_\_\_\_\_\_\_\_\_\_\_ and clear. But the phone is slightly incomfrotable to (10) \_\_\_\_\_\_\_\_\_\_\_\_\_ because it uses a different charger.

**B. LISTENING**

***I. Listen to the news about two latest phones. Fill in each gap ONE WORD AND/ OR A NUMBER***

|  |  |  |
| --- | --- | --- |
|  | **Screen size** | **Camera system** |
| ***M22*** | bigger screen with (1) \_\_\_\_\_\_\_\_\_\_\_\_\_ inch display | can produce good videos with (2) \_\_\_\_\_\_\_\_\_\_\_\_\_ cameras. |
| ***K18*** | the same screen size of (3) \_\_\_\_\_\_\_\_\_\_\_\_\_ inches | + still has (4) \_\_\_\_\_\_\_\_\_\_\_\_\_ cameras  + can make excellent photos with (5) \_\_\_\_\_\_\_\_\_\_\_\_\_ megapixels. |

***II. Listen to the rest of the news. Write* True *or* False**

6. M22 has a battery life of four hours.

7. K18’s battery can last almost one day.

8. Both of the phones give many options of storage.

9. K18 has the same choice of storage as M22.

10. Users can choose to buy suitable phones for different purposes.

**C. READING**

***I. Read Kathy’s email to her pen pal. Answer each question with NO MORE THAN THREE WORDS.***

|  |
| --- |
| **To:** sophie2210@abcmail.com  **Subject:** New laptop!  Hi Sophie,  How are you doing? I’m writing to ask for your advice on laptops.  I need a new laptop because my current one was broken the other day. I’m quite keen on Zebook and MacPlus, but I don’t really know which one to choose for my school projects. I like to have a lightweight computer with a big screen. The Zebook has a large screen, but it is quite heavy. MacPlus is much lighter than the Zebook, but I don’t like the screen of MacPlus. It’s rather small. Besides, I can only afford a laptop for $1,200. Unfortunately, both are expensive. What impresses me is their performance, they both have extended battery life and can last for 24 hours. Which one will be suitable for me?  Please write back soon,  Love,  Kathy |

1. What happened to Kathy’s old laptop?

2. Which laptop is heavier than the other?

3. Which laptop has a big screen?

4. How much can she afford for a laptop?

5. How long is the battery life of MacPlus?

***II. Read the text again. Write* True, False *or* Doesn’t say.**

|  |
| --- |
| **To:** kathy@abcmail.com  **Subject:** New laptop!  Hi Kathy,  I’m glad to receive your email.  I think ThinkPod can be the right choice because it suits your need the most. ThinkPod is not very expensive, and you can totally afford it. It is also a lightweight laptop. But I don’t think its screen size might meet what you expect. It is only 13 inches. It doesn’t seem comfortable for you. The brightness of the screen display is not very good but acceptable for schoolwork and entertainment. What really impresses me is its battery life. You might use it nonstop for up to sixteen hours. Zebook is a good option, too. It shares similar features to ThinkPod. The only thing you need consider is the price. It is quite expensive.  I can’t wait to see you new laptop.  Write back soon,  Sophie |

1. ThinkPod costs a lot of money.

2. The screen size of ThinkPod doesn’t suit Kathy’ need.

3. The display of ThinkPod is too bright to use.

4. ThinPod has amazing battery life.

5. ThinkPod and Zebook share the same features.

**D. SPEAKING**

***Read the information in the table. Answer the questions about the laptops you want to buy.***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Concord 13** | **Eagle 50** | **Felix 36** | **Phoenix 100** |
| **Screen** | + + | + + + + | + + + + + | + + + |
| **Storage** | 120 GB | 128 GB | 256 GB | 256 GB |
| **Battery life** | + + + + + + | + + | + + + + + | + + + |
| **Price** | $$ | $$$ | $$$$ | $$$ |

1. What model is the tablet?

2. What will you use the tablet for?

3. Is the screen big?

4. How much storage does it have?

5. Is it expensive?

**E. WRITING**

***I. Complete the email from Alex to Ann using the phrases in the box.***

|  |
| --- |
| *A. looks beautiful with the silver color*  *B. I decided to buy Eagle 50*  *C. It is not really expensive*  *D. has a big screen of 14 inches*  *E. the battery life is not really long* |

|  |
| --- |
| Hi Ann,  How are you doing? I need a new laptop for my school projects next semester. Guess what! My dad told me he would buy me a new one as a Christmas gift. I was so excited. At first, I didn’t know which I should choose. After talking with my brother. (1) \_\_\_\_\_\_\_\_\_\_. I want a laptop for my studying at school and at home. The laptop should have a big screen. It shoul have lightweight also. Eagle 50 (2) \_\_\_\_\_\_\_\_\_\_. It is big enough for me. It weighs only 1.9 kg. So I can easily put it in my backpack and bring it to school. It also (3) \_\_\_\_\_\_\_\_\_\_. This model doesn’t have a lot of storage, only 128 GB of storage, and (4) \_\_\_\_\_\_\_\_\_\_. However, (5) \_\_\_\_\_\_\_\_\_\_. It’s 890 dollars. I’m sure my dad will buy it for me.  I can’t wait to see you mext Monday after Christmas.  See you soon,  Alex |

**II. Write an email to your friend about a smartphone you want to have. Write 80-100 words or more.**