

## **Communicative English – 2**

Experiment – 1

Date:

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**i) Listen to the following Scientific and Technological Passage and convert the words given below to their corresponding derivatives:**

### **Mojo Vision: The First AR Contact Lens**

Modern Technology promises to keep us more connected but in surrounding ourselves with screens and devices. It feels as though we have lost something. Imagine if we could replace our screens with something that informs without distraction. Could we see differently, more clearly? Could it help us find that invisible edge when we need it most or allow us to connect in crucial moments providing vital information in an instant. Introducing mojo lens, the world's first augmented reality smart contact lens.

Put mojo lens in the morning and throughout your day. You will have access to timely information without losing focus on the world around you. Mojo lens is designed not to bombard you with data but to elevate your vision by providing the information you need exactly when it's needed all while letting you look like yourself. When it is not in use, the technology just fades away. We call this concept invisible computing. Mojo's invisible computing solution will be a platform that gives you everyday superpowers and an invisible edge throughout your day but before it does any of that. It first has to be a great contact lens that improves your natural vision even when it's off. Mojo lens built-in display will give you augmented reality wherever you look. It even works with your eyes closed putting you into an instant VR world. The applications are nearly limitless from being able to see in the dark or low light situations to augmenting your memory with instant information showing you real time translations or giving you a virtual teleprompter. One of our first medical applications is using AR overlays like edge detection and contrast enhancements to help people with vision impairments such as glaucoma and muscular degeneration. Building the world's first AR contact lens is a system's engineering problem and therefore we had to innovate in many different areas.

The mojo lens includes thin film bio-safe batteries to power the system as well as motion sensors to enable the world's most accurate eye tracking. We've also developed an extremely low power image that's used for computer vision and scene detection but at the heart of mojo lens is the world's smallest and densest dynamic display with this we can display crisp text, photos and video in a package that's less than half a millimeter in diameter. We are often asked -how do you control mojo lens? The answer is with your eyes. It turns out that your eye is an extremely

accurate pointing device with our built-in eye tracking. In each lens, we believe, we've unlocked the ultimate hands-free user interface. I like to say, if it doesn't break the laws of physics, then it's possible and proving that something like mojo lens is possible. It motivates us each and every day to invent the future. Ultimately we believe that we can help people achieve their potential without sacrificing their humanity. That's the promise of invisible computing. Thank you very much for your time today. Eyes up.

**a) Convert the following words into their corresponding derivatives.**

Sl.N o	Nouns	Verbs	Adjectives	Adverbs
1	<b>Information</b>	inform	informative	informatively
2	difference	<b>differentiate</b>	different	differently
3	<b>application</b>	apply	applicable	applicably
4	reality	realize	real	<b>really</b>
5	humanity	humanize	<b>human</b>	humanly

**b) Substitute each of the following with One Word:**

1. something that takes away your attention from what you are doing or thinking – **distraction**
2. to attack something with continuous shooting or bombs – **bombard**
3. an electronic device enabling speaker on a television programme to read text while looking directly at the television camera – **teleprompter**
4. an eye disease causing to gradually lose one's sight – **glaucoma**
5. a device that discovers and reacts to changes in movement, heat and light - **sensor**

**ii) Listen to the following Scientific and Technological Passage and convert the words given below to their corresponding derivatives: (YouTube link: <https://www.youtube.com/watch?v=YcYKFDb5Ubc> )**

What is a Super App?

A super app is a mobile or web app that combines multiple services into one platform. So instead of having separate apps for email, banking, shopping, transportation and food delivery, it's all in one app. Super apps are popular in Asia, Africa and Central America, while less common in North America.

This is thought to be because tech giants like Amazon, Facebook, and Google became popular before the widespread use of smartphones. So they developed mobile apps after the fact. Alternatively, in Super App markets, most consumers first experience with the internet was through smartphones. So super apps were designed that way from the start, not retrofitted.

Super apps like WeChat, Alipay, Gojek, and Omni among others are popular obviously for the convenience but they also improve customer service, data sharing, customization and user base. Gartner predicts more than 50% of the world will be active super app users by 2027. How do you think it'll change the way we use the internet and smartphones.?

**a) Convert the following verbs into nouns:**

1. combine - combination
2. improve - improvement
3. predict - prediction
4. deliver - delivery
5. customize - customization

**b) Substitute each of the following with One Word:**

1. a computer program or a piece of software designed for a particular purpose to be used on mobile phones – **app**
2. to provide a device something that it did not have when it was originally built – **retrofit**
3. changing something according to the buyer's or user's needs – **customization**
4. the large system of connected computers around the world allowing people to share information and communicate with each other – **Internet**
5. an information in electronic form that can be stored and used by a computer - **data**

iii) Listen to the following Scientific and Technological Passage and convert the words given below to their corresponding derivatives: (YouTube link: <https://www.youtube.com/watch?v=ahkeyw-FUIQ> )

**How does Amazon Drone Delivery Work?**

Looking at Amazon because it's announced, it will start to use drones to deliver Parcels in under an hour in the UK from the end of next year. The online retail giant says, the service will start in one location which is yet to be revealed. It's already running the service in parts of the United States. Our Business correspondent Emma Simpson has been to a small town in California to see how it works.

You know, what it's like waiting for an online order, wondering when the van is going to turn up but look into the distance. This one's coming by air in the small town of Lockford, California. Amazon is using drones to deliver packages to customers. This service is coming to the UK too. Jeff loves it. It's fun, I never thought I'd be getting packages delivered in my backyard. So when you order it we see it within 20 to 30 minutes. So obviously quicker than having to run to the store and getting this stuff. What about the noise? The noise is, it's a little loud but it doesn't disturb me, accepted by all. Launching so, how does it work? It's another exciting bit. We're the first to see behind the scenes at Amazon's launch facility.

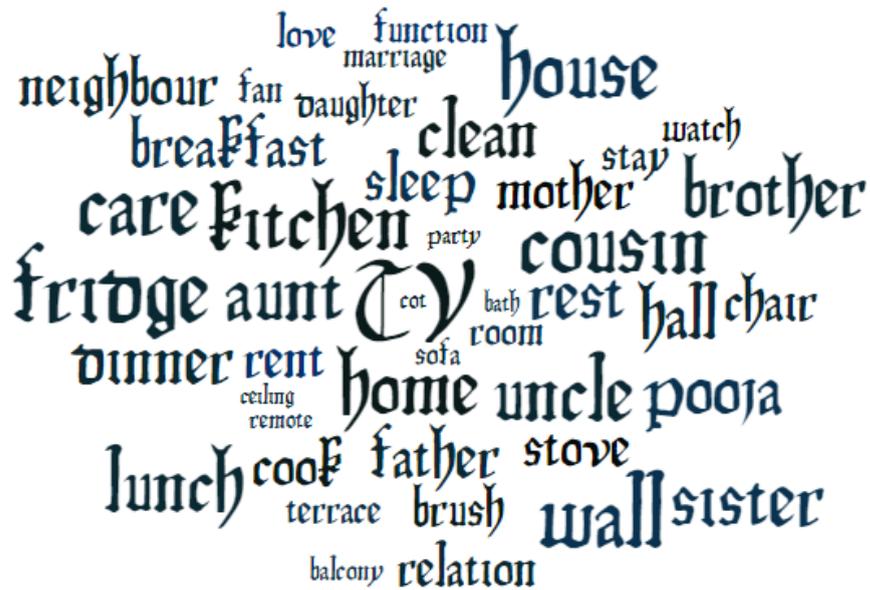
Here's a parcel going out. It can't be bigger than a shoe box nor weigh more than 5. The Drone can reach customers upto 3 and 1/2 miles away. The rules are strict. Each flight is monitored and there's a human eye keeping tabs on it too. A flying robot that knows exactly where to go. How does it know, not to bump into anything so our sensitive way? Technology will observe a threat in the sky or on the ground. Make a course correction and safely find a path to deliver to customers. Drones are never going to replace Vans but this is a glimpse of the future online deliveries in just minutes and here at this Amazon site. In Seattle, a new drone is being unveiled. This is a drone coming to the UK. It's smaller. It's lighter. It travels further and it's most importantly at least 40 % quieter to our previous Drone. Is that safe? It's absolutely safe. It is hundreds of times safer than driving to the store. Just one location to begin with exactly how and where it can fly has still to be worked out. We'll scale slowly, we'll scale with communities and we'll scale based on what our regulatory approvals are. Amazon believes, the demand is there. Here in America, though progress hasn't been quick but it's got big ambitions aiming for 500 million Global drone deliveries by the end of the decade.

**a) Convert the following words into their corresponding derivatives.**

Sl.No	Nouns	Verbs	Adjectives	Adverbs
1	<b>location</b>	locate	local	locally
2	wonder	<b>wonder</b>	wonderful	wonderfully
3	safety	safeguard	<b>safe</b>	safely







**Answer:**

- 1. aunt - My aunt will take me to malls on holidays.
- 2. house - His house is just opposite to mine.
- 3. breakfast - What is your breakfast today?
- 4. watch - I don't watch any TV serials nowadays.
- 5. care - Do you know how much my mother cares for me?

**B) Homophones:**

*Homophones and their meanings:*

Homophones	Meanings
1. Stationary Stationery	not moving writing materials
2. check cheque	to test a document issued by bank for money transfer
3. son sun	a male child a star in the centre of a solar system
4. sea see	a large body of salt water to perceive by eyes
5. fair fare	beautiful charges paid for travelling
6. heal heel	to cure a wound or injury the back part of the foot

7. sell cell	to give something in exchange of money the basic unit of a living being
8. hair hare	a thread-like substance growing on a skin a rabbit
9. berth birth	a bed for sleeping on a bus or train being born
10. steal steel	to take something without the permission or knowledge of others a metal mixture of iron and carbon
11. role roll	the position of someone to move by turning over and over
12. knight night	a rank of honour by a British King dark part of the day
13. brake break	the part of a vehicle used to stop interval; to cut into pieces
14. dye die	substance to change colour of something to stop living
15. meat meet	eatable soft part of an animal or bird to see somebody by chance or for the first time
16. Peace piece	a period of time when there is no war or violence a part of the whole
17. right write	to be correct in opinion to produce readable content
18. some sum	a certain quantity total
19. Compliment complement	praising somebody making something or somebody complete
20 loose lose	not tight to no longer have something
21. buy bye	to get something by payment goodbye

22. hear	to be conscious of sound
here	in this place
23. Know	to get information
no	not any
24. bare	uncovered
bear	a wild animal
25. sent	past tense of send
scent	a perfume

**Exercise -1**

**Give Meanings for the set of homophones:**

1. Heal – heel
2. berth – birth

**Answer:**

1. Meaning of Heal: to cure a wound or injury
2. Meaning of heel: the back part of the foot
3. Meaning of berth: a bed for sleeping on bus or train
4. Meaning of birth: being born.

**Exercise -2**

**Give Meanings for the set of homophones:**

1. bare – bear
2. loose – lose

**Answer:**

1. Meaning of bare: uncovered
2. Meaning of bear: a wild animal
3. Meaning of loose: not tight
4. Meaning of lose: to no longer have something

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