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Experiment – 1 Listening: Scientific and Technological Passages
and One Word Substitution

Date: _____

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.No	Nouns	Verbs	Adjectives	Adverbs
1	Information	i	informative	informatively
2	difference	differentiate	different	differently
3	application	apply	applicable	applicably
4	reality	realize	real	really
5	humanity	humanize	human	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:

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:

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 ½ 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	location	locate	local	locally
2	wonder	wonder	wonderful	wonderfully
3	safety	safeguard	safe	safely
4	correction	correct	corrective	correctly
5	disturbance	disturb	disturbed	disturbingly

b) Substitute each of the following with One Word:

1. an aircraft without a pilot but controlled by someone on the ground – **Drone**
2. people with common interest considered as a group – **community**
3. a substance especially when you do not know or say exactly what it is – **stuff**
4. a period of ten years – **decade**
5. a machine controlled by a computer that is used to perform jobs automatically – **Robot**

Experiment – 2 Speaking: Word Cloud and Homophones

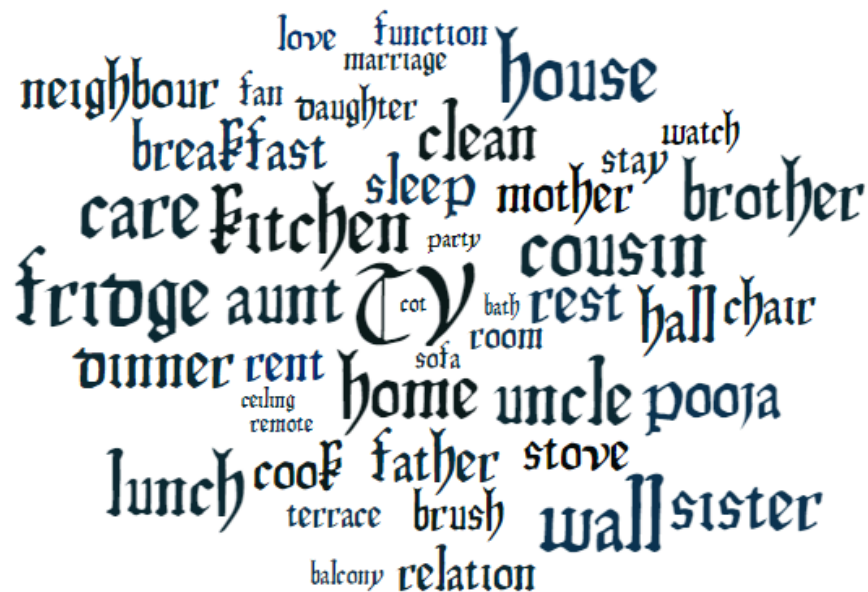
Date:

Exercise 1

1. Frame sentences by using any 5 words from the given Word cloud.

2. password - Oh my God! I forgot my password.
3. paste - You can cut and paste the image here.
4. send - Please send me your photos on WhatsApp.
5. pay - Did you pay your exam fees?

3. Frame sentences by using any 5 words from the given Word cloud.



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. Station	not moving
ary	writing materials
Stationery	
2. Check	to test
cheque	a document issued by bank for money transfer
3. Son	a male child
sun	a star in the centre of a solar system
4. Sea	a large body of salt water
see	to perceive by eyes
5. Fair	Beautiful

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

bye	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

Experiment: 3 Reading: Idiomatic Expressions

Date:

Read the Following List of 25 Idioms and their Meanings:

1. Beat about the bush
Meaning: not directly coming to the main point
2. A Million dollar question
Meaning: very important question but very difficult to answer
3. In seventh heaven
Meaning: extremely happy

4. A fish out of water
Meaning: a person struggling in a new unusual situation
5. Play games with somebody
Meaning: to tease or cheat somebody with tricks
6. Window shopping
Meaning: being interested to see with no intention to buy
7. Once in a blue moon
Meaning: happening rarely
8. Miss the boat
Meaning: to miss an opportunity
9. A blessing in disguise
Meaning: looking bad but actually beneficial
10. With flying colours
Meaning: with high grade/ very successfully.
11. A hot potato
Meaning: A controversial matter or situation
12. Crocodile tears
Meaning: a show of creating sympathy, especially to cheat
13. Burn the midnight oil
Meaning: to read or work till late night
14. A piece of cake
Meaning: something very easy
15. Pull someone's leg
Meaning: to tease with false data just for fun
16. Break the ice
Meaning: to make people feel comfortable during first meeting
17. Hit the nail on the head
Meaning: to say something exactly right and acceptable by all
18. Black sheep
Meaning: a person considered worthless and shameful in his group
19. Having Ants in your pants
Meaning: feeling extremely nervous, uneasy and restless
20. Hold your horses
Meaning: slow down, be patient

21. Let the cat out of the bag

Meaning: reveal a secret

22. Monkey business

Meaning: a behaviour unacceptable or dishonest

23. Raining cats and dogs

Meaning: raining heavily

24. At the eleventh hour

Meaning: at the last moment, not in advance

25. On Cloud Nine

Meaning: to be extremely happy.

Exercise - 1

Match the idiomatic expressions with their corresponding meanings.

- | | | |
|-------------------------------|---|-------------------------------------|
| 1. In seventh heaven | - | A controversial matter or situation |
| 2. Let the cat out of the bag | - | something very easy |
| 3. A piece of cake | - | to miss an opportunity |
| 4. A hot potato | - | extremely happy |
| 5. Miss the boat | - | reveal a secret |

Answer:

- | | | |
|-------------------------------|---|-------------------------------------|
| 1. In seventh heaven | - | extremely happy |
| 2. Let the cat out of the bag | - | reveal a secret |
| 3. A piece of cake | - | something very easy |
| 4. A hot potato | - | A controversial matter or situation |
| 5. Miss the boat | - | to miss an opportunity |

Experiment – 4

Writing: Advertisement Writing

Date:

Write a classified advertisement on any one of the following categories:

A) Educational

TEACHERS WANTED A well reputed School in Salem (Tamilnadu) requires PGT, TGT, PET, PRIMARY & KG TEACHERS	Apply by Post or Mail with detailed CV within 10 days to: THE CORRESPONDENT MEENAMPARK GROUP OF SCHOOLS Parktown, M.Kalipatti (Po), Mecheri, Salem-636453 E: meenamparkschool@gmail.com www.meenamparkschools.com
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B) Rental

**COMMERCIAL
SPACE FOR RENT**

FULLY FURNISHED PRIVATE
CABIN FOR RENT

Saligramam, Chennai -93

1800 Sqft

Services
Office Space
virtual Office
Private office
Manager Cabin

Contact Us
93452 47608



C) Real Estate

**FLAT FOR SALE
THIRUVANMIYUR**

SUBRAMANYA AVENUE
VALMIKI NAGAR
DOOR No. 18 & 20

Newly constructed
850 sft, 2 BHK flat, 3rd floor,
with lift & covered carparking
Ready for occupation.
per sft Rs. 11,500 (Nego.)

**Contact: 9840364165
7358679730, 8012214166**

D) Automotive

**WITH MORE THAN 50
QUALITY CHECKS**

PRE-OWNED CAR SALE

**HURRY, WE OFFER
LEADING BRANDS
SPECIAL SCHEMES
BEST PRICES**



*Conditions apply

**BOOK A TEST DRIVE BEFORE
28TH FEB & WIN ASSURED PRIZES***

Brands: Hyundai Creta, Hyundai i20, Hyundai i10
Maruti Swift, Maruti Baleno, Volkswagen Vento,
Volkswagen Ameo, Volkswagen Polo and many more...

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E) Business Offers

IT'S RIGHT TIME TO

START YOUR OWN BUSINESS

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4 STEPS TO BUYING A BUSINESS

Information Franchise Opportunities are shared	Evaluation Evaluation is done on the basis of investor's profile, investment	Negotiation One to one meeting with the Franchisor & assistance in final negotiations	Sign-Up Support in Legal documentation, terms of agreement.
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Experiment – 5

Speaking: Describing Oneself

Date:

A) Describe yourself based on physical features:

- ☐ Hi friends! I am Ananthi. Let me describe my physical features.
- ☐ I am 5.5 feet tall and my weight is 52 kg.
- ☐ I am slim and I have olive skin.
- ☐ I have a round face.
- ☐ I have almond eyes.
- ☐ I have thin medium arched eyebrows.
- ☐ I have a sharp nose
- ☐ My cheeks are chubby and lips are bow-shaped.
- ☐ I have a curved forehead and long gray hair.
- ☐ I have hourglass body shape.
- ☐ I have moderately wide shoulders and long limbs.
- ☐ In general, I am a fair girl with pleasing appearance.

B) Describe yourself based on Character traits:

- ☐ Hi friends, I am Ranjani. Let me describe my character traits.
- ☐ I am very bold and I never hesitate to talk to a new person or speak on the stage.
- ☐ I am always friendly to others and mingle with others easily.
- ☐ I am a socially responsible person and always obey traffic rules and public laws.
- ☐ I am time conscious and sincere in my work.
- ☐ I am not sentimental or emotional. I always take decisions based on my reason.
- ☐ I am so straight forward and I will always talk openly what I feel to be correct.
- ☐ I am a reliable and trustworthy person. I always keep my promise to others.

This is all about my character. Thank you.

C) Describe yourself expressing your likes and dislikes.

- ☐ Hi friends, let me share with you my likes and dislikes.
- ☐ I like watching melodious and romantic songs on TV. Those are the beautiful moments in my life.
- ☐ I always enjoy spending time on Instagram and watching reels.
- ☐ I love singing and dancing that always keep me alive.
- ☐ I am interested in drawing and colouring too.
- ☐ I would like to spend my nights in chatting with my friends.
- ☐ I don't like curd rice and pongal.
- ☐ I am allergic to perfumes and onions.
- ☐ I find it really boring to watch TV serials.
- ☐ I like indoor games, and any outdoor game is not my cup of tea.
- ☐ I hate waiting for someone for a long time.

That's all about my likes and dislikes. Thank you.
