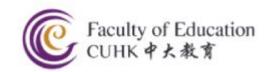
# The Psychology of Exam-taking

Dr. Alan Cheng, Educational Psychology, CUHK





Office of School Partnership and Community Engagement Faculty of Education, The Chinese University of Hong Kong



Johnston Chan, Yr.1 Bachelor of Education (English Language Education)
Jenny Law, Yr. 3, Bachelor of Social Science (Sociology)
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Sze Wu, Yr. 1 Bachelor of Physical Education, Exercise Science and Health

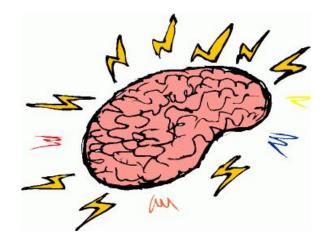
https://www.fed.cuhk.edu.hk/spce/2022/03/17/the-psychology-of-exam-taking/



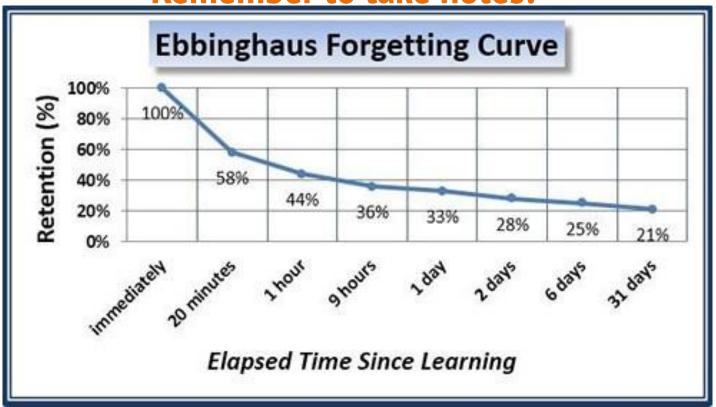
## This webinar...Do what's best for your brain!

#### Should help you...

- Revise more effectively
- Perform optimally during exams



#### Remember to take notes!



https://securityawarenessapp.com/forgetting-curve/

#### **Overview**

1. Memory



2. Managing Energy & Attention



3. Sleep & Nutrition



4. During the Exam



Students' Sharing



# THE PSYCHOLOGY OF EXAM-TAKING

DSE ELECTIVES: CHINESE LANGUAGE AND CHINESE HISTORY



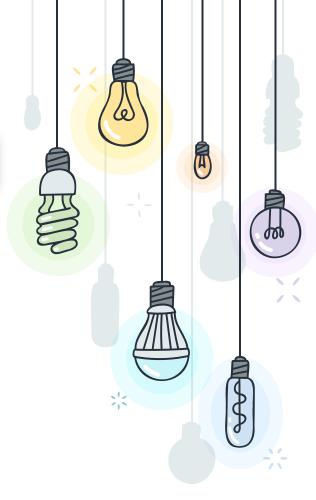


#### Result: 16 days

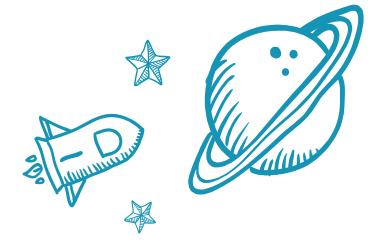
#### Alternative time units

16 days can be converted to one of these units:

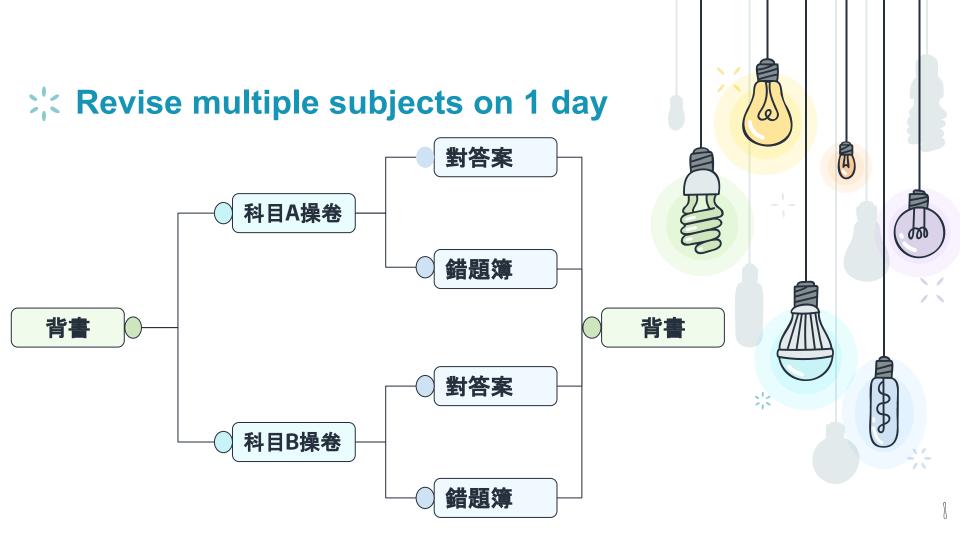
- 1,382,400 seconds
- 23,040 minutes
- 384 hours
- 16 days
- 2 weeks and 2 days
- 4.38% of 2022







# TIMETABLE

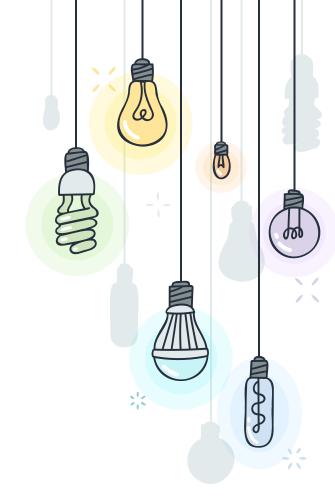






## 1. Wake up early

#### 2. 善用最有效率的2-3小時





## 溫習方法

➢ 建立筆記 (Writing notes)



not enough time?

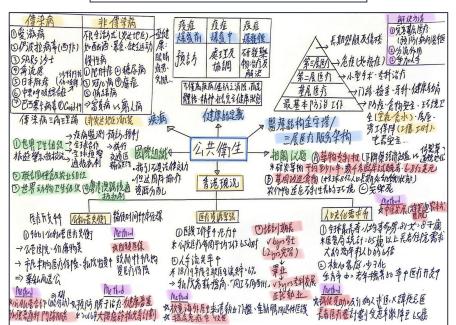
1. 白紙筆記

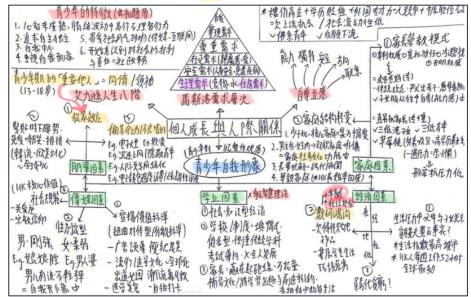
You can try to conclude all the key ideas by using one A4 paper!





### 2. mind map

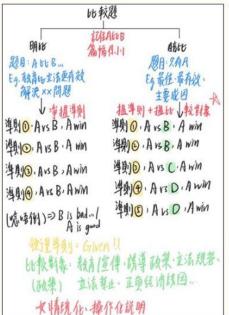




#### More than just copying!



## 3. 分析題型





#### bb 較類(角色) 题目: x bb y應擔需更太的角色

- ①可動用資源
- ②覆蓋性.影响力
- ① 必要性,不可替代性
- 由台理性
- 因专业程度
- ⑥ 成效
- 1 可行性

#### 政府特性

- √資源調配能力 √合法、权力 √廣注、統一 √专业
- J 从要(政府责任)

# Rmb to Analyse Question Type!

Each type requires a different structure to answer!



## 溫習方法

➤ 試題操練 (Exam practice)

## ※ 四種操卷方法 (4 Types)

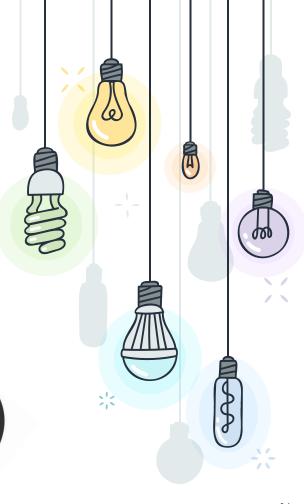


#### 自己出題 self-questioning



孝文帝推行漢化措施是否有助鞏固統治? 試援引文化習俗方面的措施加以闡述。

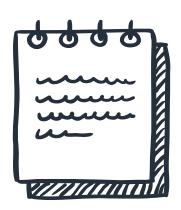
> Open book去答 (靈活運用多於麻木背誦)

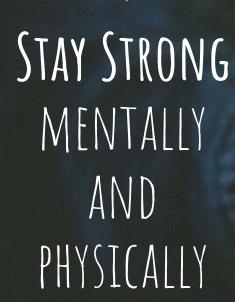




# Scan the QR code to get extra Chinese Language and Liberal Studies notes for free!!!









# 1. Memory



http://clipart-library.com/

## **Questions from Registration Form**

1. How could I remember what I revised more thorough and deeply?

2. 如何記起曾經很久前記得,但現在忘記了的東西?[How to remember things that I learnt a lot time ago but have forgotten?]

3. How to study smarter?

4. How can we better plan our special holiday for revision?

### What revision strategies do you use? Dunlosky et al., 2013

- Re-reading the text-book?
- Making notes? Summarising?
- Highlighting? Underlining?



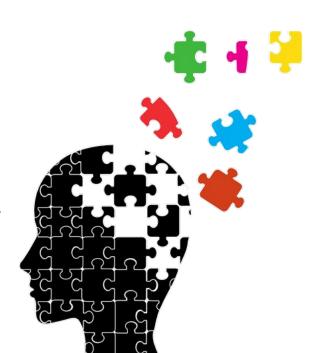
Doing past papers?

### **Active Recall // Retrieval Practice // Practice Testing**

#### **Work your brain**

Doing questions from the text-book

Doing past-papers under exam conditions



Making notes w/ books closed

Teaching someone else

Setting your own questions to test yourself (using flashcards)

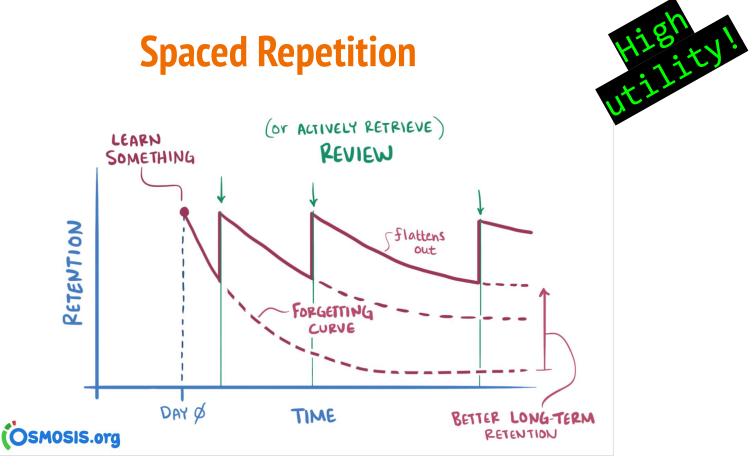
https://www.pastest.com/blog/medical-revision/4-facts-you-should-know-about-memory-recall/

	8:00-8:55	9:05 - 10:00	10:10 - 11:05	11:15 - 12:10	Lunch	1:30 - 2:25	2:35 - 3:30	3:40 - 4:35	Break	5:05 - 6:00	6:10 - 7:05	Dinner	8:15 - 9:10	9:15 - 10:15
6th Apr	Eng	Eng	Eng	Eng		Eng	Eng	Maths		Maths	Maths	-1111111111111111	Maths	Maths
7th Apr	Chi	Chi	Chi	Chi		Chi	Chi	Bio		Bio	Bio		Bio	Bio
8th Apr	Phy	Phy	Phy	Phy		Phy	Phy	Chem		Chem	Chem		Chem	Chem
20th Apr	LS	LS	LS	LS		LS	LS	Eng		Eng	Eng		Eng	Eng
21st Apr	Maths	Maths	Maths	Maths		Eng III	Eng III	Eng III		Eng II	Eng II		Eng I	Eng I
22nd Apr	Eng I + II EXAM						Maths	Maths		Eng III	Eng III		Eng III	Eng III
23rd Apr		Eng III EXAM						Maths		Maths	Maths		Maths	Maths
OR Space out (Multiple subjects per day)?														
	8:00-8:55	9:05 - 10:00	10:10 - 11:05	11:15 - 12:10	Lunch	1:30 - 2:25	2:35 - 3:30	3:40 - 4:35	Break	5:05 - 6:00	6:10 - 7:05	Dinner	8:15 - 9:10	9:15 - 10:15
6th Apr	Eng	Phy	Chem	Chi		Bio	Maths	LS		Eng	Phy		Chem	Chi
7th Apr	Bio	Maths	LS	Eng		Phy	Chem	Chi		Bio	Maths		LS	Eng
8th Apr	Phy	Chem	Chi	Bio		Maths	LS	Eng		Phy	Chem		Chi	Bio
	1				1									
20th Apr	Eng	Phy	Chem	Chi		Bio	Maths	LS		Eng	Phy		Chem	Chi
7.22	Fac	Maths	01.	LS		Eng III	Eng III	Engill		Eng II	Eng II		Engl	
21st Apr	Eng	IVIGUIS	Chi	LS		LIIE III	LIIB III	Eng III		0	0		LIIGI	Eng I
21st Apr 22nd Apr	Eng	IVIGUIS	Chi Eng I + I	STATE OF THE STATE		LIIGIII	Maths	Chi		Eng III	Eng III		Eng III	Eng I Eng III

## **Spaced Repetition**

Multiple opportunities to relearn

> Slow down forgetting



https://www.studentdoctor.net/2018/07/31/spaced-repetition/

## Strategies according to their utility (Dunlosky et al., 2013)

#### Low

- Summarising
- Highlighting & Underlining
- Keyword mnemonic (mental imagery)
- Imagery use for learning text
- Rereading

#### Medium

- Elaborative interrogation (answering "Why?")
- Self-explanation
- Interleaved Practice (learning and testing more than one topic / concept together rather than one after another)

#### High

- Practice Testing // Active Recall
- Distributed Practice





## **During my study leave...**

O1 Be Do s

Be productive

Do something "useful" every day

02

Relax if I need to

Watch a bit of TV, play music, exercise...

03

Try my best

Just work hard

04

Predicted grades:/

They are only for reference, don't let them define your abilities:)

WWW.SLIDESGO.COM

## **Study leave routine**



#### Study

Takes up most of the day



#### Sleep

I try to get 8 hours of sleep



Around the same time every day



#### **Exercise**

30-60 mins daily; I followed a free home workout program







## **Studying strategies**



#### **English**

- Read about social affairs
- Drilling (esp listening)
- Read samples



#### History

- Drilling (Paper 2 marked by teacher)
- Read samples
- Make your own notes

PROJECT PORTFOL

## For memory enhancement...



#### Make your own notes

- Motivation
- Focus
- Tailored to your needs



#### **Key concepts**

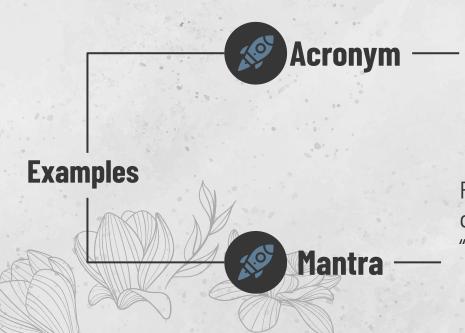
- Highlight key words
- Charts, tables, mind maps, timelines...
- Memorization tricks (examples later)



#### Spend enough time

- Studying takes time;)
- Be patient
- Trust the process

#### **Memorization tricks**



Factors of WWII outbreak: "DNA CUTS"

- Depression (Great Depression)
- Nazism (totalitarianism)
- Appeasement policy
- Collective security
- USA
- Treaty of Versailles
- Soviet Union

Framework for Imperial Exam (科舉) questions:

"got an A in CPR"

- Admission qualifications
- Content of exam
- Procedure of exam
- Rules of exam

## **General tips**







- ★ Try not to schedule too many tutorial classes during study leave
- ★ Develop a routine for study leave
- ★ Memorization tricks







Thank you!



thedandelionlee@hotmail.com

# 2. Managing Energy & Attention



# **Questions from Registration Form**

1. My students always find studying at night more "effectively" but then could not recall their memory in exams held in early morning. Any advice for them?

2. What is the best arrangement of time for revision in a day?

Which one are you?



Morning lark? Hummingbird? Night owl?

# **Sample Revision Timetable**

		7/4	100			4				1.0	7		1.7	170
	8:00-8:55	9:05 - 10:00	10:10 - 11:05	11:15 - 12:10	Lunch	1:30 - 2:25	2:35 - 3:30	3:40 - 4:35	Break	5:05 - 6:00	6:10 - 7:05	Dinner	8:15 - 9:10	9:15 - 10:15
6th Apr	Eng	Phy	Chem	Chi		Bio	Maths	LS		Eng	Phy		Chem	Chi
7th Apr	Bio	Maths	LS	Eng		Phy	Chem	Chi		Bio	Maths		LS	Eng
8th Apr	Phy	Chem	Chi	Bio		Maths	LS	Eng		Phy	Chem		Chi	Bio
	L 11													
20th Apr	Eng	Phy	Chem	Chi		Bio	Maths	LS		Eng	Phy		Chem	Chi
21st Apr	Eng	Maths	Chi	LS		Eng III	Eng III	Eng III		Eng II	Eng II		Eng I	Eng I
22nd Apr	Eng I + II EXAM						Maths	Chi		Eng III	Eng III		Eng III	Eng III

Maths

Chi

Maths

Chem

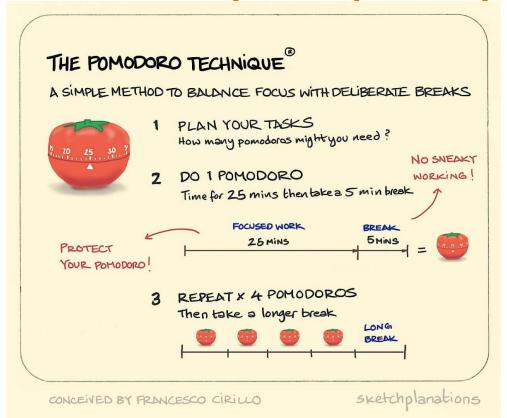
1. Night owls - start with your favourite subject(s) in the morning

Eng III EXAM

23rd Apr

2. Don't be overly specific about what you plan to revise

# The Pomodoro (Tomato) Technique



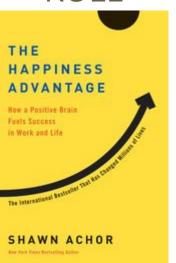
https://medium.com/@muhammad.junaid128/pomodoro-technique-89edca80bade

# Brain Drain: The Mere Presence of One's Own Smartphone Reduces Available Cognitive Capacity (Ward et al., 2017)

PUT YOUR DEVICES IN ANOTHER ROOM!



USE THE 20-SECOND RULE



https://www.ebooks.com/en-hk/472459/the-happiness-advantage/achor-shawn/

# Plan little energy boosts in your day











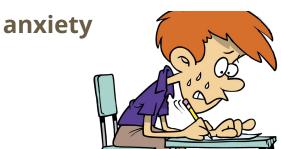


# (Immediate) Benefits of Physical Exercise

Release of endorphins & dopamine (feel **happier**)



Reduces chemicals related to **stress** and



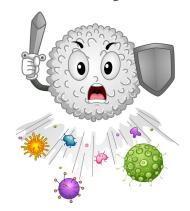
Improves **sleep** 



Improves **memory** & **attention** 



Improves immune system



http://clipart-library.com/

# THE PSYCHOLOGY OF EXAM-TAKING

- 1. General reminders
- 2. LS & Economics

Johnston

Yr.1 Bachelor of Education (English Language Education)

### Health is underrated!

- Have a proper sleep schedule
  - It's not just about sleeping enough, but also about your biological clock!
  - Enough rest is very important to have a clear mind
  - Relax and wind down~
- Stay physically-ready
  - The exam schedule is packed and demanding
  - Exercise and eat well, especially for S6 students! Start living healthy now!



## How to remember things better?

- Keeping a log book is really useful
  - Note down mistakes that you have made, visit them before you work on a new paper.
  - You keep reading your own mistakes, hence more likely to remember them (Repetition)

```
Pages 3 Whiten somp
 - [roperalization : Specific Examples -> general statements (play soft and include transfer) ($-2-1865); -> - Core publishes the annual is known to be longer and or or that the public to publish a common common to the public annual to the p
                                                                                - wirtual poes hape by gramics
    - Categorisation: 2 issue 2 rangingh (concerning ... Walnut ..
     - Organisation: opening (furguese) t ending (round out)

eg. - I am writing to ... // thank you for your ... // but look fururable receiving your farmonable
                                                                        - Further discussion, Permurable destricts
    - Problems + colutions / : - Whe should // It is suggested that less a form of passive to not mornin morning
          recommendations - Transform regular recognised Petabodic into Congression of the contract of t
  - Response to comments/: It is true that // It is not true that (吃味養何 comfort 先)
    - comparison I contrast : not the same of life more facilities than ITE
                                                                                                                     SIL has many handsome logo has like has then
                                                                                * comparison: comparable of must lead , contrast: STE has now in 2000.
- No crew Figures and or description by a majority of respondents (one to to $250) [600) 19 19 - 1446 significance or 2183 children sector from such appellar state from the state of the majority forms a vert majority.
                                                                             transcribing graphs as. The number of drunk driving accidents has increased from.
     Show exchanges : only 13 ost I regularly I positionly Effort A so was 2
    - Text type moreness: Article , title , informative
                                                                   - Report . headings I such headings ( see instructions on the paper )
                                                                                                                                                      eg with the report in a certifice !!
                                                                                                                                                                               work the report in project 1 past them
                                                                   - Incident report : specific details as all t dutur
                                                                                                               introducting statement
                                                                   · luterobusting video
                                                                    - email: subject (from phrane secific )
  Mention the nome of the wanter Ases.
                                                                                                                                                 Reportioned way have to be found in the story. Dragon House
     letter thrank : Dear nor of Yours no
                                                    - I am writing in reply to ... //
                                                      I om writing to response to his letter forticle "xxx" dated xxx to xxx (Art)
                                                      we look forward to ... (hoped for - tulure consequence)
                                                      - Thank you very much for your ansideration
 - Register, time, style
  - Be careful, an inappropriate would :-abjective, indirect, polite
                                                                                                     - Overly- academic X
                                                                                                            e.g. Murriang to , xxx stable that , xxx has shown that - shared trainingse (eg. Mark Waljon) ever tengage
                                                                                                               · Lewler to the editor youx
 - Absoluturers us possibility: can imaginally us ... by it means (took) // exceeding loopy protect # 1/4
  - Thread wherever is bound of some of a star of the Charles to your ... ) forward external the
              Information up I specification: es tuning and heading of mirellectures, such as the plance in the case, Bubblegum
```

```
- (Reneralisation: Specific examples -> general statements (play safe and include tromples)

(= "= by 15 4") e.g. - Carer problems the inviscounty having + mension incidents that fillustrate the problems

- abby comment: "didn't get anywhere near his target -> may not reach target (20178)

- virtual pets kept by gramies

- Categorisation: 2 Tissue 1 paragraph (concerning... // obst...)

- Organisation: opening (purpose) t ending (round-off)

e.g. - Ioun writing to... // Thank you for your ... // We list forward to receiving your favourable

- Further discussion, tovocarable devision.

- Problems t solutions /: Whe should // It is suggested that [as a form of possive to not mention numes)

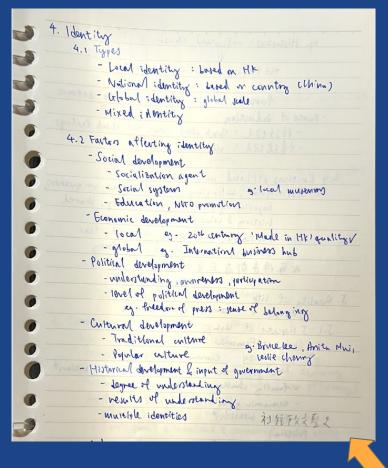
recommendations - Transform regarities recognized [Peadboute into Suggested that we make the...

- Pesyonse to convents /: It is true that // It is not true that (*2:50 18 convolunt &)

conveloints
```

# Subject-specific: Liberal Studies

- There are things to revise
  - Others are lying when they say Liberal Studies does not require revision
  - Six modules of concepts' worth of materials
- Make your own notes
  - Textbooks contain either irrelevant information or too much
  - Decide for yourselves what is important and what is not
- Use short forms and acronyms



```
3. 'Three major differences'

- Rural -urban disparity (hukou system)

- Fast - west difference - Special Economic Fonds

- open coastal city

- Having some regions den first

- Disparity among - Sot (private entapriol

Social strata

4. 'Sannong'

By: early 19703' rural oven subsidires cities'

- Agriculture: - limited capital

- low level of mechanisation
```

J. WORLD DONTE, dwonling, OVER: BRICS
D. Custural Colobalisation
1. Truhange
(utempersonal technology - Cultural integration  Exchange
ey. Youtube, aviation technologies
2 Organisation
2-1) TNCs - internation trade 7
2.2) TN madia - selling of cultural producty
* Cultural infiltration
2.3) Internation of minuting: cultural enhange

# Subject-specific: **Economics**

#### - Economics

**DSE 2020** 

- Work with friends and teachers as often as you could
  - The questions are rather diverse
    - I like studying by myself but I spent the last few days before Economics exam doing practice papers with friends, and I still managed to explore new things
  - DBQ involves social issues like Transport subsidy and Increasing toll fees
    - Watch more news and you may be inspired

For part (e), candidates are required to present their answers in an essay form. Criteria for marking will include the use of sources and economic theories, relevant content, logical presentation and clarity of expression.

(e) Suppose there are two cross-harbour-tunnel-toll adjustment proposals to relieve the problem of congestion:

Proposal I	The government raises the toll of the CHT (紅隧) for private cars to \$75.
Proposal II	The toll of the WHC (西隧) for private cars is reduced to \$20.

With reference to the above sources and your own knowledge in Economics, discuss which proposal, proposal I or  $\Pi$ , each of the following groups of stakeholders would prefer:

- the owners of the WHC company
- the politicians who are concerned about the income inequality in Hong Kong
  - the government economists who are concerned about government revenue and/or expenditure
- ONE other group of stakeholders



**DSE 2019** 

# For S6: Last-minute tips

- It's never too late
  - If you feel you are not yet hard-working enough, engines on now!
- At this stage, it's not just about who studied the most
  - But also about your mental quality!
  - If you feel too worn out, take a quick break to reset yourselves



- Build your own habits for studying
  - There is no 'best' or 'model' way
- It's not easy, and your mental health is just as important as your grades!



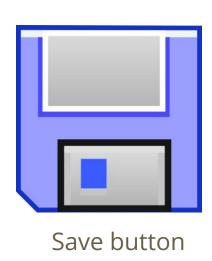


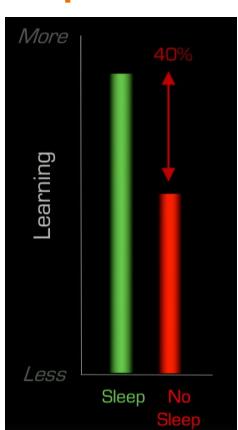
kitshunchan@gmail.com

# 3. Sleep & Nutrition



# **Sleep & Learning**



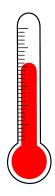




# **Sleeping Tips**



~18c room temperature





Consistent sleep routine



Limit caffeine (and energy drinks) after 3p.m.



Avoid electronic gadgets 1 hour before



Leave your bed and do something "boring" if you can't sleep

# Non-Sleep Deep Rest (NSDR)

#### What is NSDR?

https://www.vastdiversity.com/nsdrrecharge-brain/#Non-Sleep\_Deep\_ Rest\_Review



https://www.youtube.co m/watch?v=M0u9GST\_j3 s&t=48s Yoga Nidra -Guided Meditation to Relax | 10min



https://www.youtube.com/watch?v=pL02HRFk2vo Non-Sleep Deep Rest (NSDR): A Science Supported Tool for De-Stress and Relaxation (20 mins)



https://www.youtube.co m/watch?v=7H0FKzeuVV s Yoga Nidra 20 Minute Guided Meditation





https://www.fastcompany.com/1512 272/caffeine-poster-charts-your-mo rning-buzz

# Balanced "fixed" diet

Have breakfast on the day of the exam

Bring a snack (if more than 1 exam)

# 5 FOODS LINKED TO

# BETTER BRAINPOWER

GREEN VEGGIES



Leafy greens such as kale, spinach, collards, and broccoli are rich in brainhealthy nutrients like vitamin K, lutein, folate, and beta carotene. Research suggests these plant-based foods may help slow cognitive decline.

#### **FATTY FISH**



**2.** Fatty fish are abundant sources of omega-3 fatty acids, healthy unsaturated fats that have been linked to lower blood levels of beta-amyloid — the protein that forms damaging clumps in the brains of people with Alzheimer's disease.



https://guardian.ng/features/boosting-brain-power-part-1/

## BERRIES



**3.** Flavonoids, the natural plant pigments that give berries their brilliant hues, also help improve memory, research shows.

#### TEA + COFFEE



**4.** Coffee and tea might offer more than just a short-term concentration boost. In a recent study, participants with higher caffeine consumption scored better on tests of mental function.

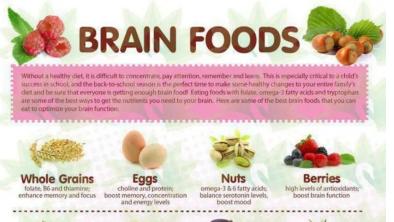
#### WALNUTS



**5.** Nuts are excellent sources of protein and healthy fats, and walnuts in particular might also improve memory, according to a study.

www.health.harvard.edu

https://www.health.harvard.edu/hea lthbeat/foods-linked-to-better-brainp ower





#### Seeds

omega-3 & 6 fatty acids, Vitamins A and E: improve mood and brain function





#### Wild Salmon

rich source of omega-3. fatty acids: improve mood, memory and concentration



#### **Avocadoes**

healthy fats that boost concentration and brain development



#### **Tomatoes**

lycopine (a powerful antioxidant); helps improve brain function



(powerful antioxidants)



increases memory and concentration



catechines and polyphenols: boosts dopamine levels to increase memory and



Vitamin 86, potassium and folic acid: increase serotonin and boost mood



antioxidants and flavonoids: stimulate increased blood flow to brain resulting in improved memory and concentration



#### **Dry Beans**

Vitamin B5, folic acid and magnesium; improve brain function

Add as many of these foods as possible into your diet to make healthy changes. You will notice a difference in your ability to pay attention, concentrate, remember and learn—and you will feel better and more energized, tool

@ HealthyHandoor com

https://i0.wp.com/www.mummyalar m.co.uk/wordpress/wp-content/uplo ads/2014/09/brainfood-to-eat-durin q-exam-preparation.jpg?resize=850

# **Questions from Registration Form**

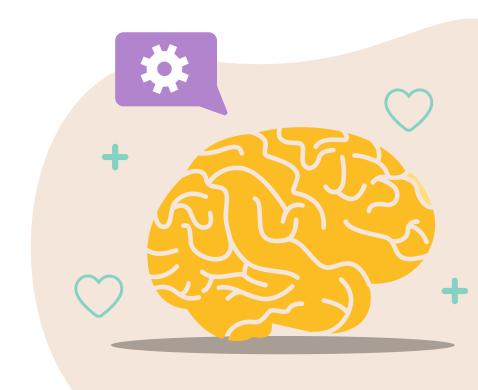
1. How should we tackle procrastination and lack of motivation when studying tough subjects?

# My Study Tips & Experiences

Jenny Law

Major: Sociology

DSE Electives: Biology & Chemistry



# **Tip #1: How To Stop Procrastinating?**

#### **Instant Gratification**

Have fun now and procrastinate



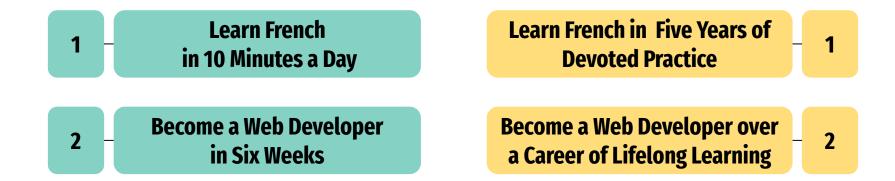


#### **Long-Term Goals**

Work now and do what's best in the long run



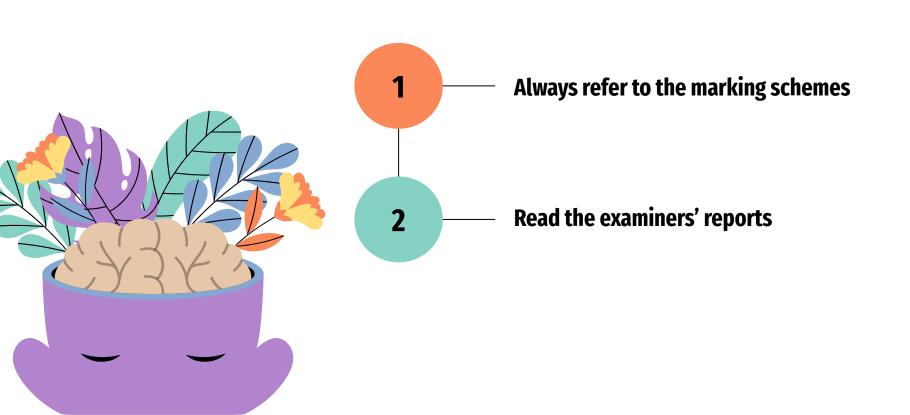
### **Which Headlines Would You Prefer?**



# Turn Your Long-Term Goals into Short-Term Rewards



# **Tip #2: How to Check Past Papers Properly?**



(c) Describe how nerve impulses can be transmitted across the neuromuscular junction leading to muscle contraction. (3 marks)

### 2015 DSE Biology P1B Q5(c)

- (c) arrival of nerves impulses at the motor nerve ending triggers the release of neurotransmitters / chemical messengers into the neuromuscular junction (1)
  - these neurotransmitters / chemical messengers diffuse across the synapse (1) (3)
  - bind to the receptor sites on the membrane of the muscle fibre (1) to trigger muscle contraction

(a) Outline how the arrival of nerve impulses at the nerve endings of neurone A leads to the contraction of muscle B. (3 marks)

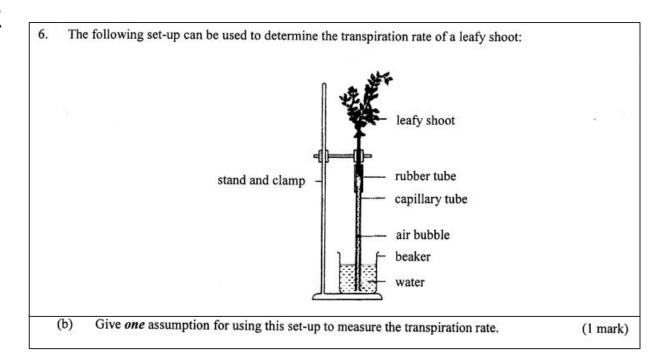
6. (a) • upon the arrival of nerve impulses, the nerve endings release a neurotransmitter
(1) / a chemical

- which diffuses across the gap between the nerve ending and the muscle fibre (1)
- the neurotransmitter / chemical will stimulate the membrane of muscle cells (1), resulting in muscle contraction

2012 DSE Biology (Sample Paper) P1B Q6(a)

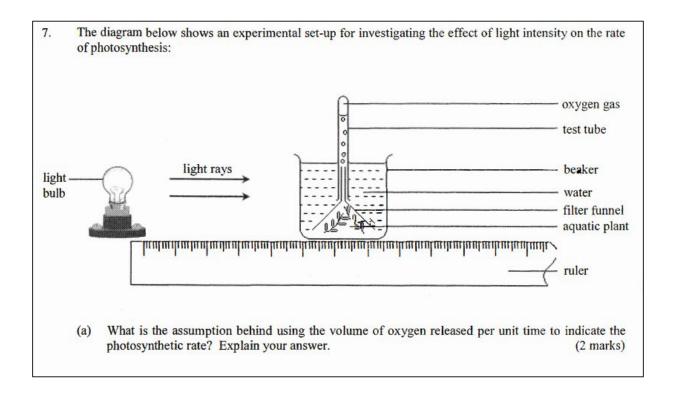
## **Examiners' Report**

2013 DSE Biology P1B Q6(b)



(b) Poorly answered. The question aimed to assess candidates' understanding of the assumption based on a familiar experimental set-up. Again, less than one third of the candidates pointed out the assumption which is necessary for using this set-up to determine the transpiration rate of the leafy shoot. 2013 DSE Biology Candidates Performance

### 2017 DSE Biology P1B Q7(a)



# Tip #3: Keep Yourself Healthy (Both Mentally & Physically)

1 Keep regular sleeping hours

2 Allow yourself some breaks





# Thank You & Good Luck!

Do you have any questions for me?



# 4. During the Exam



- 1. 如何在考試當天保持最佳狀態?很害怕失手 ❷ ♠ [How to maintain my performance on the day? Afraid of messing up!]
- 2. What is the best way to stay calm and focused during the exam?
- 3. I always feel nervous before the exam, even suffered from insomnia and vomiting if that exam is a super important one. How can I relax myself? Thanks so much!
- 4. How to reduce the anxious feeling before the HKDSE?(I always feel stressed and worried about the DSE results that I can get)

5. 考試前一天心態應該係?考試前一日點樣安排溫書同埋休息時間?考試嗰日朝頭早應該幾點起身同做啲咩?[How should I plan my day the day before the exam? How about on the day of the exam?]

6. Is our first hunch about answering a question better than overthinking and self-doubting and changing the answer we wrote initially?

# **Managing your stress**

#### Imagine...

Your mind goes blank when you try to answer a question

 You get stuck on one question and run out of time to complete the whole paper

# Managing your stress - Plan for the unexpected

### Imagine...

Your mind goes blank when you try to answer a question
 How you revise; come back to it



 You get stuck on one question and run out of time to complete the whole paper

Circle / star it and come back to it; Plan how to use your time (doing practice exams

# **Breathing exercises**

Breathe **out** (exhale) to slow heart rate



Two breaths in + one breath out = Physiological Sigh



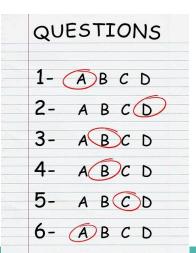


https://www.youtube.com/watch?v=rBdhqBGqiMc Reduce Anxiety & Stress with the Physiological Sigh | Huberman Lab Quantal Clip

### You're answering MCQs, and you're unsure whether or not to change your answer...

#### Conventional "wisdom"

#### DON'T CHANGE!



#### What studies show...

Table 1
Predicted and Actual Proportion of Answer Changes from Right to Wrong, Wrong to Right, and Wrong to Wrong, Study 1

Answer change		
Wrong to right		
Right to wrong Wrong to wrong		

Kruger et al., 2015

#### **First Instinct Fallacy**

Benjamin et al., 1984; Couchman et al., 2016

Kim, 2018; Grant, 2021

## **Post-exam**

A student I knew...

Chi - 3

Eng-4

Maths - 1

LS - 2

Elective 1 - ABS

Elective 2 - ABS



# The Psychology of Exam-Taking

Speaker: Anson Li (English Language Education Year 1)



01

# **Daily Routines**

**During Study Leave** 

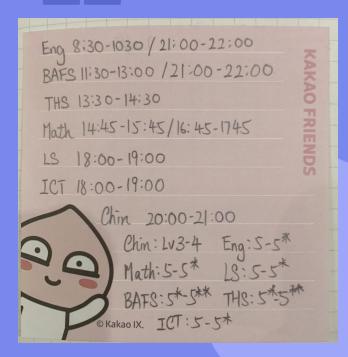
# Step 1: Make Plans

Awesome Plan!

Follow it everyday!

I can do it!





# Step 2: Throw out the plan

Can't follow it for a few days

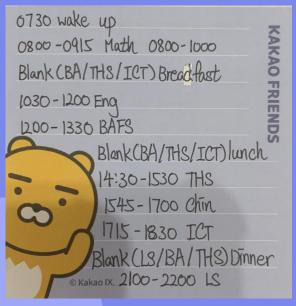
Feel Frustrated

Stopped everything

Keep Revising

Vicious Cycle

The second / third...  $\rightarrow$ 









## **Keypoint to note**

Instead of doing stuff in designated time

→ Identify what you want to do everyday





## **Daily Routine**

Three Subjects I want to revise

(I.E. English / ICT / THS)

Plan out how to revise

(I.e. Past paper / reciting)

Studied around 6-8 hours a day



# One of the routines

Goal: 2017 English paper 1 / Tourism chapter 1-4 / ICT 2018 paper

English paper 1 in the morning

Break and lunch

Tourism chapter 1-2 + ICT chapter 1-2

Break

The rest of the chapters

Dinner + Relax

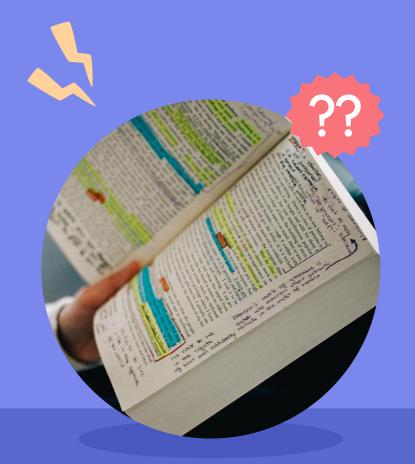
Sleep at around 11



02

# Studying Strategies

Strategies to enhance memory





# Write and Read

Tourism → 46 chapters

Read it in my head for 3 times

Write a few times

Continue with the next chapter

Come back to the first chapter after 30 mins

# Highlighting Keywords

**Identify Keywords** Helps you remember the important words

Easy to understand

ENGE1500 Introduction to English Linguistics

Prof. Tongle Sun (tonglesun@subk.edu.bk)

#### Lecture 2

#### Morphology 1: The words of language

#### INTENDED LEARNING OUTCOMES

By the end of this session, students should be able to:

- Describe basic types of words in English language
- Describe and explain common ways through which English words are formed
- Identify multiple word formation processes in English words and explain the processes

#### 1. WHAT IS MORPHOLOGY?

- Morphology is the study of word making. It is a sub-area in linguistics that studies the creation and structure of words.
- Morphology vs. Etymology: Etymology is the study of the origin and history of a word.
- · What counts as a word?
- ♦ Separated by space?
- ♦ An entry in dictionary?
- ♦ What about the presence or absence of hyphens?
- ♦ What about abbreviations? Do they complicate matters?

#### 2. TYPES OF WORDS IN ENGLISH

English makes an important distinction between two kinds of words: content words and

#### 2.1 Content words

- Content words contain substantial contents and meanings, such as nouns, verbs,
- They denote concepts such as objects, actions, attributes, and ideas (e.g., children, speak, young,
- They are called open class words because new words can be added to these categories.

#### 2.2 Function words

- Function words are words that do not have clear lexical meanings or obvious concepts. associated with them, including pronouns (e.g., it, she, he), conjunctions (e.g., and, or, but), prepositions (e.g., in, of, at), and articles (e.g., the, a, an).
- They have little or no semantic content and usually specify grammatical relations. For
- example, the articles indicating whether a noun is definite or indefinite (e.g., the boy, a boy). Function words are called closed class words.

#### 3. BASIC WORD FORMATION PROCESSES

- There are regularities in the word formation processes in a language.
- The evolution of new words (or new uses of existing words) is a sign of vitality in the way a



03

# Subject Specific Strategies

Mainly on Electives (THS / BAFS / ICT)

# Brief introduction of the electives





#### **BAFS**

Memorize Theories & examples

MC + DBQ + Essay



### Tourism

Memorize Theories & examples

MC + DBQ + Essay



#### ICT

Memorize codes and basic IT knowledge





Mostly memorization & applying theories

# Make your own notes

Jot down keywords & memorize the location of the keywords



Social Responsibilities
Obligations an organization have to protect welfare linterest of society

Why be socially responsible O Socks profit from sociaty @ need support of community G enhance image O Loyalty can be enhanced

Stateholders

Stakeholders invest money & bear risk
Aim at making profit / interested in image / reputation of firm

\*Make decision cautiously, better utilize capital, minimize cost/maximize earnings

If not loss for stakeholders/wrong decision.

Employees

Employees earn profit for owners /contribute skills & experience
Provide safe/healthy/convienient working environment
E.g. Equal opportunities for reward & promotion without regard sex/race
If not moral/productivity affected

Consumers P.

Sucess of firm depend on consumer
Right to sakety/informed/choose/heard hedress
Price product fairly & information/advertisements should be correct/not misleading.
If not harm confidence of customers & sales > prospect affected (Congeneration)

Suppliers /distributors
Rely on suppliers supply input
Pay its supplier on time according to contact terms
If not trade relationship ruined

Oeditors/bankers

Raise capital > borrow from banks/issue bonds

Repay interest/principals on due day

If not damage reputation

The government
Introduce policies affect well-being & operation
Bay tax on time & be honest
If not legal purishment

# Linking the keywords

Formula for BAFS→

### Use a sequence of words

Two dogs who are friends sitting under a cat then square root

$$EOQ = \sqrt{\frac{2*F*D}{I*C}} = \sqrt{\frac{2*F*D}{H}}$$

$$EOQ = \sqrt{\frac{2 * Fixed\ Cost\ to\ Purchase * Demand\ Per\ Time}{Inventory\ Carrying\ Cost\ Per\ Unit\ Per\ Time}}$$

Usually the 'Unit of Time' is ANNUALLY, therefore

$$EOQ = \sqrt{\frac{2 * Fixed\ Cost\ to\ Purchase * Annual\ Demand}{Annual\ Inventory\ Carrying\ Cost\ Per\ Unit}}$$

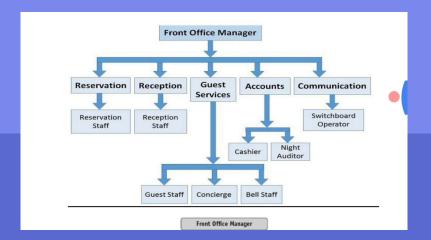
six-sigma-material.com

## Visualization

Tourism and Hospitality

Need to memorize world map & Structure of a front office

Try to visualize the world map & the chart in your brain





# Something you can do before the

exam!

Stay calm and sleep early → Usually get insomnia

Be confident  $\rightarrow$  I can win this/ I can get  $5^{**}\rightarrow$  Helps u stay calm

For me: Listening to motivating & relaxing music (Terence Lam! Ed Sheeran)

Don't revise too much → makes you more insecure



Wake up around 6:00-6:30 → Warm up your brain → Revise one more time

Eat sweets! Eat breakfast! Remember to eat!

Lyrics $\rightarrow$  Ladies and Gents this is the moment you've been waiting for  $\rightarrow$  Greatest show!







04

# Takeaways

# Everyone is in their own time zone!

Don't be afraid if you are different from others!



# Thanks!

Email: ansonlinok@gmail.com

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# **Summary - Do what's best for your brain!**

Active recall &
 Spaced Repetition



3. Sleep routine



2. Attention Span?

& 20-second rule



4. Plan for the unexpected& breathing exercises



### **Comments about the Webinar**

Evaluation Form: <a href="https://forms.gle/Ae9ezbAXrvWat6ZY6">https://forms.gle/Ae9ezbAXrvWat6ZY6</a>

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# Q&A

- 請問教師如何能有效協助學生溫習?例如自製筆記予學生?還是教導學生自行編寫筆記?(How to help students revise? Make some notes for them? Teach them how to make their own notes?)
- HOW to revise?
- The more YOU do, the less they do

- How to help a student who is under great pressure when facing exams?
- Conversation to understand the greatest stressors
- Best possible outcome? Worst possible outcome? Most realistic?
- Remind them to control what they can control
- Share this talk with them!

- 如何有效地學習英文生字?[How can we learn English vocabulary effectively?]
- Use it to learn it
- In general: Common words used in questions (reading and listening) e.g., words to describe the tone
- Writing: 10-20 words you really like using which can be easily used in many situations e.g. "irrefutable"

- Any suggestion for ADHD Students for revising? (They typically forget the study content)
  - Type?
  - Timing of medicine?
  - Organisation
- Smaller Chunks
- All the methods mentioned e.g. Pomodoro technique; reducing distractions; more physical movements

如果連續兩天需要考選修科的話,在第二天考的選修科應如何温習以達致最佳效果? [If I have two electives on consecutive days, what's the best way to plan my revision?]

- Keep revising both even one day before the first exam
- Which one are you most confident about?
- Lunch = the only break on the day of the first exam

How to develop long term memory for the necessary knowledge, concepts and answering skills in the exam effectively? [Active recall & Spaced repetition] Any tips on how to answer the questions faster to finish the whole paper on time? [Plan time use + skip questions] Any special skills to guess for the answers in case I don't know how to solve the problem? [By elimination] How should electives (human physiology and biotechnology) be revised (the last time I revised them seriously was before mock exam, which was in late February to early March)? Is it possible to clear all the concepts in the electives within the remaining time if I have not had any deep impressions about the electives? What should I do if I would like to get 5\* or 5\*\* (I still have many things which I could not memorise or some questions in DSE which I could not understand the reasons to the answers)? 4.4.4 [Start revising seriously! Use active recall and spaced repetition. Ask a friend / teacher for concepts not understood. Think about doing the best you can rather than the \*\*1

### **Useful resources**

#### **Any flashcard app**

e.g., <a href="https://apps.ankiweb.net/index.html">https://apps.ankiweb.net/index.html</a> Anki

https://quizlet.com/latest Quizlet

#### <u>Videos:</u>

https://www.youtube.com/watch?v=ukLnPbIffxE How to study for exams - Evidence-based revision tips

https://www.youtube.com/watch?v=Z-zNHHpXoMM How to Study for Exams - Spaced Repetition | Evidence-based revision tips

https://ed.ted.com/lessons/the-benefits-of-a-good-night-s-sleep-shai-marcu The benefits of a good night's sleep - Shai Marcu

https://www.youtube.com/watch?v=BHY0FxzoKZE Wendy Suzuki: The brain-changing benefits of exercise | TED

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