

## **Preliminary Round**

25<sup>th</sup> January 2021 2 Hours

Plus ½ hour for data entry working online and writing down a copy of your answers.

# PROBLEM BOOK

Answer as many of the questions as you can.

Follow the instructions if completing this online, or else write your answers in the answer books provided /a blank sheet of paper.

### Questions and credits

Α.	Where in the world?	Harold Somers	20 points
В.	Beja beasts	Dick Hudson	15 points
C.	People, animals and stuff	Babette Verhoeven	20 points
D.	Learning Dima	Daniel Lovsted	20 points
E.	Sauk it up	Ryan Chi	25 points









### Question A: Where in the world?

20 points

Tamazight is a family of closely related languages indigenous to North Africa, spoken across the region known in Arabic as the Maghreb, from Morocco in the west, across Algeria to Tunisia and Libya in the east and Mali in the south. The Tamazight are usually called "Berber" in English, though this is considered derogatory, being derived from the word meaning "barbarian".

Tamazight can be written using the Latin alphabet, but also uses the Tifinagh script, which dates back more than 2000 years, though it has been adapted for modern use. Tifinagh can be written both left-to-right or right-to-left, and vertically (bottom-up), with the orientation of (some of) the symbols altered accordingly.

Here all examples are leftto-right. (Most of) The place names on the accompanying map of Tamazgha, and some that are not shown on the map for space reasons, are listed below, with their English equivalents in a different (random) order. Note that the English names are not always a direct transliteration of the



Tamazight names, and in one case (the name of a capital city) quite different. Note also that the map has north (*shamal*) at the bottom. Country names are written in bold. The names in boxes are of larger areas.

1	0°48K310°0V°	14	EQQ <sub>0</sub> RC	Α	Adrar des Ifoghas	Ν	Meknès
2	οΧοΛΣΟ	15	IUoKCSE	В	Oran	0	Laayoune
3	∘Q <del>O</del> ∘E	16	⊙Σ∐₀	C	Fez	Р	Canaries
4	ο ΣΚΟ ο	17	0000	D	Toubkal	Q	Algiers
5	OSCOO	18	+°E°IA°O\$+	Ε	Timbuktu	R	Tripoli
6	Х₀Ц	19	ΗS/\ΙΖΗ	F	Bechar	S	Marrakesh
7	ΛχοΣ+	20	+8⊖Z°N	G	Safi	Т	Sousse
8	Ж₀⊙	21	X\$E\\$\\	Н	Tangiers	U	Rabat
9	Н≘II°Ө°	22	EolTo	1	Oujda	V	Constantine
10	ZoloOΣo	23	ЕО∘ӨИО	J	Nouakchott	W	Gao
11	<b>Ζ</b> ΘΙ <b>Ε</b> ΣΙ <sub>ο</sub>	24	⊔≘ФО₀І	K	Tamanraset	Χ	Siwa
12	NΨ2SI	25	∐≋I∧₀	L	Annaba	Υ	Agadir
13				Μ	Tindouf		

- 1. Match up the names
- 2. How is the Tamazight name for the Mediterranean Sea (ΣΝΘΝ οΧΟοΚοΝ) pronounced?
- 3. And the Atlas Mountains (ΣΛ8O<sub>o</sub>O I LoEN<sub>o</sub>O)?
- 5. What about the Hoggar Mountains ( $\Sigma \land SO_{\circ}O \mid \circ \emptyset_{\circ}XX_{\circ}O$ )?
- 6. What do we call the two regions that in Tamazight are called (a) SQSZ and (b) +₀HSOK₀?

### Question B: Beja beasts

15 points

Beja is spoken by about a million people in the north of the Sudan and neighbouring countries. Many Beja speakers are nomads living on and with herds of camels and other animals. The language is distantly related to Ancient Egyptian and Arabic; it is rarely written so it has no standard writing system. Here are some sentences in Beja with their English translations.

yaas diwiini A dog sleeps.

yaas rihiini He sees a dog, **or** A dog sees.

uuyaas diwiiniooyaas rihiiniThe dog sleeps.He sees the dog.

yaasuuk diwiini One of your dogs sleeps. yaasook rihiini He sees one of your dogs.

*iyaasuuk diwiini* Your dog sleeps. *iyaasook rihiini* He sees your dog.

ooyaas idiwiini rihiini He sees the dog which sleeps. uuyaas irihiiniuuk diwiini The dog which sees you sleeps.

Here is some more vocabulary:

tak = man kaam = camel meek = donkeybit = pull tam = eat giig = go

- 1. Translate into English
  - (a) uutak kaam rihiini
  - (b) ikaamook bitiini
  - (c) meek giigiini
  - (d) takuuk tamiini
  - (e) uutak ibitiiniuuk diwiini
  - (f) takuuk ookaam ibitiiniook rihiini
- 2. Translate into Beja
  - (a) A man goes.
  - (b) The camel sees the donkey.
  - (c) The donkey sleeps.
  - (d) The man who eats sees the camel.
  - (e) He eats one of your donkeys.
  - (f) The donkey which eats sees the camel which pulls you.

### Question C: People, animals and stuff 25 points

The Garifuna language is spoken by people of African and South American indigenous descent in four Central American countries: Belize, Honduras, Guatemala, and Nicaragua with a total of approximately 200,000 speakers.

1. On the left are some Garifuna phrases, and on the right their translations, but in a random order. Match the Garifuna to the correct English translation given in the right column.

1 *uguchi* a women

2 biyama uguchinya
 3 uguchinya furesetinya
 4 uguchinya furesetinyaha
 b those fast fathers
 c all those fast fathers
 d the woman's fathers

5 sunuguchinya furesetinyaha e two fathers 6 tuguchinya wuri f fast fathers

7 *wurinya* g father

Here are some more Garifuna phrases matched with their **correct** English translation:

biyama tirahunyu irufuntinyu her two good children sunfaluma bimetiha all those sweet coconuts

uruwa baruru three plantains (= kind of banana)

baruru wurigiru a green (= unripe) plantain

bagasu harutinyu white cows ownli harutinya white dogs townli her dog

dubu irufuntihathose good stonesbiyama wewe gagubutitwo tall trees

And here is some more vocabulary:

huru 'crab' ibiri 'brother' ganyen 'egg' hinyaru 'girl' wuguri 'man' safuru 'horse' bimeti 'sweet'

- 2. Translate the following phrases into Garifuna:
  - (a) her brothers
  - (b) fast children
  - (c) all those good eggs
  - (d) white crabs
  - (e) those sweet plantains
  - (f) three tall men
  - (g) the girl's horses

## Question D: Learning Dima

20 points

Dima is an endangered language spoken in southwestern Ethiopia with only 574 speakers at the last count (2007).

Here are six sentences in Dima. The first five are given along with their English translations. Dima does not have a standardized written form, and the spelling here has been simplified somewhat.

guurafis kenim deisinThe crocodiles killed them.ate gudumubim goshtu ollox kubitI carried a tall man slowly.chuqqind wudur saamisim yefinA small girl saw the eagle.

daxidis zimaf sanubim ziti olox dexin The strong chiefs cooked a black ox quickly.

kete kitimindim amzi koxin They loved a selfish woman.

qudumidis amzaf daxubim quur kubin

1. Translate the last sentence into English.

2. The six sentences below were uttered by a linguist who had been trying to learn Dima. Unfortunately, only three of them were fully understood by native Dima speakers; the other three contained grammatical mistakes. For each of the following six sentences, choose from the options provided to convert it into a grammatically correct Dima sentence. (Remember that three of the sentences are already grammatically correct: for these three sentences, you should choose option A.) For every sentence, only one option will successfully produce a correct Dima sentence.

#### ı. ate sanubim saam koxin

- A. The sentence is correct as is (change nothing).
- B. Change koxin to koxit
- C. Change sanubim to sanidim
- D. Change saam to saamaf

#### II. gudumid wuduraf kitimisim zim olox kubin

- A. The sentence is correct as is (change nothing).
- B. Change gudumid wuduraf to guduaf wudurid.
- C. Change kubin to kubit.
- D. Change *olox* to *amzi*.

#### III. goshtu dax zitafisim yefin

- A. The sentence is correct as is (change nothing).
- B. Change goshtu dax to goshtafis dax.
- C. Change zitafisim to zitidim.
- D. Change dax zitafisim to daxidisim zitaf.

#### IV. wuduris sanisubim quur deisin

- A. The sentence is correct as is (change nothing)
- B. Change wuduris to wudurid.
- C. Change sanisubim to sanubisim.
- D. Change sanisubim to sanisim.

- v. chuqqubis goshtu kenim yefin
  - A. The sentence is correct as is (change nothing).
  - B. Change goshtu kenim to goshtaf kete.
  - C. Change chuqqubis to chuqqisub.
  - D. Change yefin to yefit.
- vi. kete saamim ollox dexin
  - A. The sentence is correct as is (change nothing).
  - B. Change ollox to amzi.
  - C. Change saamim to saam.
  - D. Change kete to kenim.
- 3. Translate the corrected versions (or the original versions, for the sentences that were already correct) of the six sentences above into English.

### Question E: Sauk it up

Sauk is an Algonquian language spoken by members of the 3,000strong Sac and Fox Nation. Forced to relocate in the 19th century from Wisconsin to central Oklahoma, they have adapted their language to the times, coining words for a wide range of modern concepts.

Here are some Sauk words with their English translations in random order.

- achimowa
  anemoha
  anemoheha
  chitapikaneki
  chitapiwa
- 6. kokenikaneki7. mehiko withenikaneki8. meshitetepithoni
- 9. meshiteneki
- 10. methenahikanani achimoni
- 11. methenahikani
- 12. methenahikanikaneki
- 13. piwapehkwi
- 14. piwapehkwi achimoni
- 15. piwapehkwi winetepi
- 16. tetepithonani mahkathehani
- 17. toskasha
- 18. toskashi witheniweni

- A. capital city
- B. computer
- C. dog
- D. Ferris wheel (pictured)
- E. horse
- F. laundrette
- G. library
- H. lounge
- I. metal
- J. Mexican restaurant
- K. newspaper
- L. oats / hay
- M. paper
- N. puppy
- O. roller skates
- P. telephone
- Q. to sit
- R. to tell
- 1. Determine the correct correspondences.
- 2. Translate the following into English (a) toskasheha, (b) kokenewa
- 3. What are the Sauk words for (a) 'brain', (b) 'shoe shop'?

### 25 points

