

# Pakistan National Linguistics Olympiad

## Solutions of the Problems.

### Problem #1. Rules:

1. The apostrophe indicates length if it follows a vowel, and is read as [ə] if it follows a consonant.
2. The letter *w* stands for a rounding of the lips after a consonant and for the sound [w] otherwise.
3. [ə] is pronounced, though not written, between any consonant and a following sonorant consonant ([l m n]).
4. [ə] is also pronounced before a consonant cluster at the beginning of a word.
5. *p t j g gw q qw* are pronounced as voiced consonants ([b d j g g<sup>w</sup> ʃ ʃ<sup>w</sup>]) at the beginning of a word or between vowels and as voiceless consonants ([p t c k k<sup>w</sup> x x<sup>w</sup>]) at the end of a word or next to another consonant.

### Answers:

- (a) 12 [əksənxəyən], 13 [ətəkəbɔx], 14 [gəməjəmin], 15 [emtoɣ<sup>w</sup>atk], 16 [dəbəlɔc];  
(b) 17 *tp'te'sn*, 18 *mtesgm*, 19 *alapt'g*, 20 *glamen*.

**Problem #2.** The Inuktitut sentences have the following general structure:

X-(q)		V-	‘X V (himself).’
X-(q)	Y-(r)mik	V-si-	‘X V a Y.’
X-up	Y-(q)	V-	‘X V the Y.’

where X and Y are nouns and V is the verb. If a noun gets the ending **-q** when it is either a definite object or a subject of a sentence that doesn't have a definite object, it also gets **-r** before the ending **-mik** when it is an indefinite object (*nanu-q* — *nanu-r-mik*; *iluaqhaiji* — *iluaqhaiji-mik*). To say ‘your’, **-(q)** is replaced by **-it**, **-up** by **-vit**.

The verb receives the following suffixes:

- **-j** following a vowel or **-t** following a consonant;
- an ending for the persons of the subject and the definite object, if there is one:
  - in the first two schemata: **-u-tit** ‘2’, **-u-q** ‘3’;
  - in the third schema: **-a-it** ‘2/3’, **-a-nga** ‘3/3’, **-a-atit** ‘3/2’.

A transitive verb without an object is interpreted as reflexive.

- (a)
13. The wolf saw your shaman.
  14. Your polar bear hurt a boy.
  15. Your hunter cured himself.
  16. You shot the teacher.
  17. You came.
  18. You cured a hunter.
- (b)
19. *Angatkuup aanniqtaatit.*
  20. *Ilinniaqtitsijiup inuuhuktuq takujanga.*
  21. *Amaruit ukiakhaqtuq.*
  22. *Qingmirmik qukiqsijutit.*
  23. *Qingmiit ilinniaqtitsijimik aanniqsijuq.*