

Fourth Asia Pacific Linguistics Olympiad

10 – 24 April 2022

Solutions

Problem 1.

1. Sentence structure: $\begin{cases} V_i \text{ (intransitive): } \boxed{S_i V} \\ V_t \text{ (transitive): } \boxed{S_t V O} \end{cases}$

2. Noun structure:
- | | | S_i or O | S_t |
|----------|--|-----------------|-----------------|
| singular | | STEM | STEM hē |
| dual | | STEM -ra | STEM -rā |

3. Verb structure: $\boxed{\text{TENSE}} - \boxed{\text{SUBJ}} - (\boxed{\text{OBJ}}) - \boxed{\text{CLASS}} - \boxed{\text{STEM}}$

- $\boxed{\text{TENSE}} = \begin{array}{c|cc} & V_i & V_t \\ \hline \text{Tense I} & \mathbf{ka-} & \\ \text{Tense II} & \mathbf{jy-} & \emptyset \end{array}$

Tense I = future
 Tense II = $\begin{cases} \text{present} & (V = \text{stative}) \\ \text{perfect} & (V = \text{dynamic}) \end{cases}$

- $\boxed{\text{SUBJ}}, \boxed{\text{OBJ}} = \begin{array}{c|cc} & S_i \text{ or } O & S_t \\ \hline \text{1st person} & \mathbf{ra-} & \mathbf{ri-} \\ \text{2nd person} & \mathbf{a-} & \mathbf{ka-} \\ \text{3rd person} & \emptyset & \mathbf{ti-} \end{array}$

singular	\emptyset
dual	mē-

- $\boxed{\text{CLASS}} = \begin{array}{c|c} & S_i \text{ or } O \\ \hline \text{grains} & \mathbf{sy-} \\ \text{fruit} & \mathbf{kua-} \\ \text{otherwise} & \emptyset \end{array}$

- $\boxed{\text{STEM}}$:

$- V_i: \begin{cases} \emptyset & \text{'be ripe'}$
 $\mathbf{rāpio} & \text{'be warm' } \sim \text{'be sick'}$
 $\mathbf{rāprā} & \text{'be painted' } \sim \text{'be red'}$
 $\mathbf{piā} & \text{'grow'}$
 $\mathbf{tē} & \text{'fall'}$

}

stative

$- V_t: \begin{cases} \mathbf{tōpy} & \text{'buy'}$
 $\mathbf{kā} & \text{'cut'}$
 $\mathbf{sa} & \text{'bite'}$

}

dynamic

(1) *You two have fallen.*(2) *The genipap is ripe.*(3) *You two have bitten the rice.*(4) **mararā timēkuatōpy kwati**(5) **prī hē tisykā kioripē**(6) **mōsyra jymēsyprā**(7) **yōriti hē timēkuasa piutīra**(8) **īkjē karapiā**