**Lesson Sequence**

**Introduction:** The goal of this effort is to train native speakers in a practical orthography based on the morphophonemics or underlying form of Yoloxóchitl Mixtec. The advantage of this approach is that by learning to write isolated words in this isolating language, speakers will be able to write words with tone elision and vowel harmony once they understand some basic phonological and morphological principles. The disadvantage is that the orthography is an abstraction from surface forms, an abstraction that is understood only through mophological analysis.

There are 3 basic levels to this entire learning set:

1. Learning to transcribe words heard in isolation (Lessons 1 to 12)

2. Learning to transcribe words that are part of a long narrative text

3. Learning to understand tone elision and vowel harmonization as well as the basic grammatical structure of Yoloxochitl Mixtec.

**Location of sound files for isolated word learning.**

Word tokens of dictionary entries are found at:

<http://www.balsas-nahuatl.org/mixtec/Sonidos-Transcripcion/Yoloxochitl/Diccionarios-elicitados/Yoloxochitl-RCG500/Palabras/>

Note that the first sequence of numbers in the filenames correspond to the UID for the dictionary entry. Thus 0013\_Yolox-RCG500.wav represents the sound file associated with the word having 0013 as its Unique Identifier

\lx ku1mi4

\lx\_cita ku1mi4

\ref 0013

\glosa cuatro

**Process: Users will hear each word repeated 3 times and then be asked to fill in the result. They will be able three times. After a third wrong choice the right answer will appear. A log will keep track of number of attempts per word elicitation. Once they get a sequence 100% correct twice in a row they will be able to go on to a test.**

**Level 1**

**Level tones identical over both morae in two-syllable words**

|  |  |  |
| --- | --- | --- |
|  | **Syllable structure** | **Presence or absence of glottal stop and final nasal** |
| 1.a | CVCV words and VCV words | no word medial glottal stop, no final nasal |
| 1.b | CVCVn and VCVn words | no word medial glottal stop, final nasal |
| 1.c | CV'CV and V'CV words | word medial glottal stop, no final nasal |

**Lesson 1a (CVCV and VCV):** In this list there are no nasal vowels except for cases of progressive nasalization nor are there intermediate glottal stops. There are **232** (C)VCV words (see attached file Lesson-01-a\_CVCV.txt). The RegEx used to find these words in the dictionary (please note that some letter/tone sequences appear more than as they represent homophones for different parts of speech):

\\lx [a-zñ]{1,3}[aeiou]?([1-4])[a-zñ]{1,3}[aeiou]\1\r\n

**PRACTICE: Users will be presented with the recordings of all words that meet this criteria. Once they go through 15 words twice with no errors they can take the test. Note that at this stage only words with the above pattern will be presented. No mixing as there are no previous lessons to mix in.**

**TEST 1: Users will be tested with random words from the above two patterns/lists. They must get a 14 positive result on a test of 15 words to proceed to the next set of lessons.**

**Lesson 1b (CVCVn and VCVn):** In this list there are final nasal vowels but there are no pre-intermediate consonant glottal stops. Words may be consonant or vowel initial. There are **36** such words (see attached file Lesson-01-b\_CVCVn-or-VCVn.txt). The RegEx used to find these words in the dictionary:

\\lx [a-zñ]{1,3}?[aeiou]?([1-4])[a-zñ]{1,3}[aeiou]n\1\r\n

**PRACTICE: Set A: Users will only hear words in the above list of 36 words, i.e., all words will have final nasals.**

**PRACTICE: Set B: Users will hear words from both Lesson 1a (no word medial glottal stop, no final nasal) and Lesson 1b (no word medial glottal stop, final nasal). Once they get two Practice Set B in a row correct they can move on to Test 2.**

**TEST 2: Words will be mixed from Lesson 1a and Lesson 1b (i.e., same pattern as Practice Set B). They must get a 14 positive result on a test of 15 words to proceed to the next set of lessons.**

**Lesson 1c (CV'CV and V'CV):** In this list there are pre-intermediate consonant glottal stops (indicated by an apostrophe). Note that because of Yoloxóchitl Mixtec (YM) phonotactic constraints there are no words with both intermediate glottal stops (limited to before voiced consonants) and final nasal vowels (limited to after voiceless consonants. There are 59 words with a pre-intermediate consonant glottal stop (see attached file Lesson-01-d\_CVqCV-or-VqCV.txt). The RegEx used to find these words in the dictionary:

\\lx [a-zñ]{1,3}?[aeiou]?'([1-4])[a-zñ]{1,3}[aeiou]\1\r\n

**PRACTICE: Set A: Users will only hear words in the above list of 59 words, i.e., all words will have intermediate glottal stops and no final nasals.**

**PRACTICE: Set B: Users will hear words from all three lessons: Lesson 1a (no word medial glottal stop, no final nasal) Lesson 1b (no word medial glottal stop, final nasal), and Lesson 1c. This is a total of 232+36+59 words. Once they get two Practice Set B correct they can go on to Test 3**

**TEST 3: Users will be tested with random words from the above three patterns/lists. They must get 14 positive results on a test of 15 words to proceed to the next set of lessons.**

**Level 2**

**Level tones identical over both morae in words with no word-intermediate consonant**

|  |  |  |
| --- | --- | --- |
|  | **Syllable structure** | **Presence or absence of glottal stop and final nasal** |
| 2.a | CV'V and V'V words | no final nasal, word medial glottal stop, both vowel and consonant initial words |
| 2.b | CV'Vn and V'Vn words | final nasal, word medial glottal stop, both vowel and consonant initial words |
| 2.c | CVV and VV words | no final nasal, both vowel and consonant initial words |
| 2.d | CVVn and VVn words | final nasal, no word medial glottal stop, both vowel and consonant initial vowel |

**Lesson 2:**

Monosyllabic words with level tones on both syllables: CVTVT, where the two tones are level and identical.

**Lesson 2a (CV'V and V'V):** These arewords that have a word-medial glottal stop and no final nasal vowel. Words may be consonant or vowel initial. There are **59** such words (see attached file Lesson-02-a\_CVqV-and-VqV.txt). The RegEx used to find these words in the dictionary:

\\lx [a-zñ]{1,3}[aeiou]?([1-4])'[aeiou]\1\r\n

**PRACTICE: Set A: Users will only hear words in the above list of 59 words, i.e., all words will have final nasals.**

**PRACTICE: Set B: Users will hear words from all of lessons 1 (words of (C)VCV patterns) and Lesson 2a. Once they get two Practice Set B in a row correct they can move on to Lesson 2b.**

**Lesson 2b (CV'Vn and V'Vn):** In this list there are pre-intermediate consonant glottal stops (indicated by an apostrophe) and final nasal vowels. Note that although glottal stops and final nasal vowels cannot occur in (C)VCV stems, they can co-occur in (C)VV stems. There are 22 words with a glottal stop and final nasal vowel (see attached file Lesson-02-d\_CVqVn-and-VqVn.txt). The RegEx used to find these words in the dictionary:

\\lx [a-zñ]{1,3}[aeiou]?'([1-4])[aeiou]n\1\r\n

**PRACTCE: Set A. Users will only hear words in the above list of 22 words.**

**PRACTICE: Set B. Users will hear only words in Lesson 2a and Lesson 2b.**

**TEST 4: Users will be tested with random words from all patterns learnt to date (Lesson 1 all sublessons and Lessons 2a and 2b). They must get 14 positive results on a test of 15 words to proceed to the next set of lessons.**

**Lesson 2c (CVV and VV):** In this list there are no nasal vowels except for cases of progressive nasalization nor are there intermediate glottal stops. There are **54** such words (see attached file Lesson-02-c\_CVV-and-VV.txt). The RegEx used to find these words in the dictionary:

\\lx [a-zñ]{1,3}[aeiou]?([1-4])[aeiou]\1\r\n

**PRACTCE: Set A. Users will only hear words in the above list of 54 words.**

**PRACTICE: Set B. Users will hear only words in Lesson 2a, Lesson 2b, and Lesson 2c. Once they get two practices all correct they can move on to Lesson 2d**

**Lesson 2d (CVVn and VVn):** These are words that have a non-nasal consonant and final nasal vowel. There are **20** such words (see attached file Lesson-02-d\_CVVn-and-VVn.txt). The RegEx used to find these words in the dictionary:

\\lx [a-zñ]{1,3}[aeiou]?([1-4])[aeiou]n\1\r\n

**PRACTCE: Set A. Users will only hear words in the above list of 20 words.**

PRACTICE: Set B: **Users will hear only words in Lessons 2a, 2b, 2c, and 2d. Once they get two practices all correct they can move on to Test 5.**

**TEST 5: Summary test of lessons 1 and 2. Users will be tested with random words from the above eight patterns/lists in Lesson 1 and Lesson. They must get 23 positive results on a test of 25 words to proceed to the next level, Level 3**

**Level 3**

**Level tones lower on first mora than on second mora in words with word-intermediate consonant**

**Patterns: 1.3, 1.4, 3.4**

|  |  |  |
| --- | --- | --- |
|  | **Syllable structure** | **Presence or absence of glottal stop and final nasal** |
| 3.a | CVCV and VCV words | no word medial glottal stop, no final nasal |
| 3.b | CVCVn and VCVn words | no word medial glottal stop, final nasal |
| 3.c | CV'CV and V'CV words | word medial glottal stop, no final nasal |

**Lesson 3a (CVCV with tonal pattern 1.3, 1.4, 3.4):** In this list there are no nasal vowels except for cases of progressive nasalization nor are there intermediate glottal stops. There are **180** such words (see attached file Lesson-03-a\_CVCV-and-VCV\_tones-higher-2nd-mora.txt). The RegEx used to find these words in the dictionary:

\\lx [a-zñ]{1,3}[aeiou]?[13][a-zñ]{1,2}[aeiou]4\r\n|\\lx [a-zñ]{1,3}[aeiou]?1[a-zñ]{1,2}[aeiou]3\r\n

**PRACTCE: Set A. Users will only hear words in the above list of 180 words.**

**PRACTICE: Set B. Users will hear only words in Lesson 1a and 3a. Once they get two practices all correct they can move on to Test 6.**

**TEST 6: Words from Lesson 1a and Lesson 3a. Students must get 23 of 25 correct to move to Lesson 3b.**

**Lesson 3b (CVCVn and VCVn with tonal pattern 1.3, 1.4, 3.4):** In this list there are final nasal vowels but there are no pre-intermediate consonant glottal stops. Words may be consonant or vowel initial. There are **36** such words (see attached file Lesson-03-b\_CVCVn-and-VCVn\_tones-higher-2nd-mora.txt). The RegEx used to find these words in the dictionary:

\\lx [a-zñ]{1,3}?[aeiou]?([1-4])[a-zñ]{1,3}[aeiou]n\1\r\n

**PRACTCE: Set A. Users will only hear words in the above list of 36 words.**

**PRACTICE: Set B. Users will hear only words in Lesson 1a, 1b, 3a, and 3b. Once they get two practices all correct they can move on to Lesson 3c**

**Lesson 3c (CV'CV and V'CV with tonal pattern 1.3, 1.4, 3.4):** In this list there are pre-intermediate consonant glottal stops (indicated by an apostrophe). There are 50 words with a pre-intermediate consonant glottal stop (see attached file Lesson-03-c\_CVqCV-or-VqCV\_tones-higher-2nd-mora.txt). The RegEx used to find these words in the dictionary:

\\lx [a-zñ]{1,3}[aeiou]?'[13][a-zñ]{1,3}[aeiou]4\r\n|\\lx [a-zñ]{1,3}[aeiou]?'1[a-zñ]{1,3}[aeiou]3\r\n

**PRACTCE: Set A. Users will only hear words in the above list of 50 words.**

**PRACTICE: Set B. Users will hear all words in Lessons 1 and 3. Once they get two practices all correct they can move on to Test 7.**

**TEST 7: Users will be tested with random words from all words in Lessons 1 and 3. They must get 23 positive results on a test of 25 words to proceed to the next set of lessons, Level 4.**

**Level 4**

**Level tones lower on first mora than on second mora in words with no word-intermediate consonant**

**Patterns 1.3, 1.4, 3.4**

|  |  |  |
| --- | --- | --- |
|  | **Syllable structure** | **Presence or absence of glottal stop and final nasal** |
| 4.a | CV'V and V'V words | no final nasal, word medial glottal stop, both vowel and consonant initial words |
| 4.b | CV'Vn and V'Vn words | final nasal, word medial glottal stop, both vowel and consonant initial words |
| 4.c | CVV and VV words | no final nasal, both vowel and consonant initial words |
| 4.d | CVVn and VVn words | final nasal, no word medial glottal stop, both vowel and consonant initial vowel |

**Lesson 4:**

Monosyllabic words with level tones on both syllables: CVTVT, where the first tone is lower than the second.

**Lesson 4a (CV'V and V'V with tonal pattern 1.3, 1.4, 3.4):** In this list there are no nasal vowels except for cases of progressive nasalization nor are there intermediate glottal stops. There are **47** words in which the tone on the first mora is lower than that of the second mora (see attached file Lesson-04-a\_CVqV-and-VqV\_tones-higher-2nd-mora.txt). The RegEx used to find these words in the dictionary:

\\lx [a-zñ]\*?[aeiou]'[13][aeiou]4\r\n|\\lx [a-zñ]\*?[aeiou]'1[aeiou]3\r\n

**PRACTCE: Set A. Users will only hear words in the above list of 47 words.**

**PRACTCE: Set B. Users will only hear words from Lesson 2c and Lesson 4a. They must get two Practice Set B correct in a row to move to Lesson 4b.**

**Lesson 4b (CV'Vn and V'Vn with tonal pattern 1.3, 1.4, 3.4):** These are words that have a non-nasal consonant and final nasal vowel. There are 7 such words (see attached file Lesson-04-b\_CVqVn-and-VqVn\_tones-higher-2nd-mora.txt). The RegEx used to find these words in the dictionary:

\\lx [a-zñ]\*?[aeiou]'[13][aeiou]n4\r\n|\\lx [a-zñ]\*?[aeiou]'1[aeiou]n3\r\n

**PRACTCE: Set A. Users will only hear words in Lists 4a and 4b.**

**PRACTCE: Set B. Users will only hear words from Lessons 2a, 2b, 4a, and 4b. They must get two Practice Set B correct in a row to move to Test 8.**

**Test 8: A test of 25 words from Lists 1a, 1b, 1c, 1d, 3a, 3b, 3c, 4a, and 4b. They must get 46 of 50 words correct to proceed to Lesson 4c**

**Lesson 4c (CVV and VV with tonal pattern 1.3, 1.4, 3.4):** These arewords that do not have a word-medial glottal stop and do not have a final nasal vowel. Words may be consonant or vowel initial. There are **47** such words (see attached file Lesson-04-c\_CVV-and-VV\_tones-higher-2nd-mora.txt). The RegEx used to find these words in the dictionary:

\\lx [a-zñ]{1,2}[aeiou][13][aeiou]4\r\n|\\lx [a-zñ]{1,2}[aeiou]?1{1,2}[aeiou]3\r\n

**PRACTCE: Set A. Users will only hear words in List 4c**

**PRACTCE: Set B. Users will only hear words from Lessons 2a, 2c, 4a, and 4c. They must get two Practice Set B correct in a row to move to Lesson 4d**

**Lesson 4d (CVVn and VVn with tonal pattern 1.3, 1.4, 3.4):** In this list there are pre-intermediate consonant glottal stops (indicated by an apostrophe) and final nasal vowels. Note that although glottal stops and final nasal vowels cannot occur in (C)VCV stems, they can co-occur in (C)VV stems. There are 19 words with a no intermediate glottal stop and final nasal vowel (see attached file Lesson-04-d\_CVVn-and-VVn\_tones-higher-2nd-mora.txt). The RegEx used to find these words in the dictionary:

\\lx [a-zñ]{1,2}[aeiou][13][aeiou]n4\r\n|\\lx [a-zñ]{1,2}[aeiou]?1{1,2}[aeiou]n3\r\n

**PRACTCE: Set A. Users will only hear words in List 4d**

**PRACTICE: Set B: Users will hear words in lists 4a, 4b, 4c, and 4d.**

**TEST 9: Users will be tested with random words from the above eight patterns/lists (2a, 2b, 2c, 2d, and 4a, 4b, 4c, and 4d). They must get 46 positive results on a test of 50 words to proceed to the next test.**

**TEST 10: Summary test of lessons 1, 2, 3, and 4. Users will be tested with random words from the above patterns/lists. They must get 46 positive results on a test of 50 words to proceed to the next level.**

**Level 5**

**Level tones higher on first mora than on second mora in words with intermediate consonant**

**Patterns 3.2, 4.3, 4.2, and 4.1**

|  |  |  |
| --- | --- | --- |
|  | **Syllable structure** | **Presence or absence of glottal stop and final nasal** |
| 5.a | CVCV and VCV words | no word medial glottal stop, no final nasal |
| 5.b | CVCVn and VCVn words | no word medial glottal stop, final nasal |
| 5.c | CV'CV and V'CV words | word medial glottal stop, no final nasal |

**Lesson 5a (CVCV with tonal pattern 3.2, 4.3, 4.2, and 4.1):** In this list there are no nasal vowels except for cases of progressive nasalization nor are there intermediate glottal stops. There are **236** such words (see attached file Lesson-05-a\_CVCV-and-VCV\_tones-higher-1st-mora.txt). The RegEx used to find these words in the dictionary:

\\lx [a-zñ]{1,3}[aeiou]?3[a-zñ]{1,3}[aeiou]2\r\n|\\lx [a-zñ]{1,3}[aeiou]?4[a-zñ]{1,3}[aeiou][1-3]\r\n

**Practice: Set A: Users will only hear words in List 5a.**

**Practice: Set B: Users will hear words in Lists from Lessons 1a, 3a, and 5a.**

**Test 11: Users will be tested on words in Lists 1a, 3a, and 5a. They must get 46 of 50 words correct to proceed to Lesson 5b.**

**Lesson 5b (CVCVn and VCVn with tonal pattern 3.2, 4.3, 4.2, and 4.1):** In this list there are final nasal vowels but there are no pre-intermediate consonant glottal stops. Words may be consonant or vowel initial. There are **33** such words (see attached file Lesson-03-b\_CVCVn-and-VCVn\_tones-higher-1st-mora.txt). The RegEx used to find these words in the dictionary:

\\lx [a-zñ]{1,3}[aeiou]?3[a-zñ]{1,2}[aeiou]n2\r\n|\\lx [a-zñ]{1,3}[aeiou]?4[a-zñ]{1,2}[aeiou]n[1-3]\r\n

**Practice: Set A: Users will only hear words in List 5b.**

**Practice: Set B: Users will hear words in Lists from Lessons 1a, 1b, 3a, 3b, 5a, and 5b. They will need to get two practices of 14 of 15 correct to proceed to Lesson 5c.**

**Lesson 5c (CV'CV and V'CV with tonal pattern 3.2, 4.3, 4.2, and 4.1):** In this list there are pre-intermediate consonant glottal stops (indicated by an apostrophe). There are 50 words with a pre-intermediate consonant glottal stop (see attached file Lesson-05-c\_CVqCV-or-VqCV\_tones-higher-1st-mora.txt). The RegEx used to find these words in the dictionary:

\\lx [a-zñ]{1,3}[aeiou]?'[13][a-zñ]{1,2}[aeiou]4\r\n|\\lx [a-zñ]{1,3}[aeiou]?'1[a-zñ]{1,2}[aeiou]3\r\n

**Practice: Set A: Users will only hear words in List 5c.**

**Practice: Set B: Users will only hear words in Lists 5a, 5b, and 5c.**

**Practice: Set C: Users will hear words in Lists 1a, 1b, 1c, 3a, 3b, and 3c, and 5a, 5b, and 5c.**

**Test 12: Users will be tested on words in Lists 1a–c, 3a–c, and 5a–c. They must get 46 of 50 words correct to proceed to Level 6.**

**Level 6**

**Level tones higher on first mora than on second mora in words with no word-intermediate consonant**

**Patterns 3.2, 4.3, 4.2, and 4.1**

|  |  |  |
| --- | --- | --- |
|  | **Syllable structure** | **Presence or absence of glottal stop and final nasal** |
| 6.a | CV'V and V'V words | no final nasal, word medial glottal stop, both vowel and consonant initial words |
| 6.b | CV'CVn and V'CVn words | final nasal, word medial glottal stop, both vowel and consonant initial words |
| 6.c | CVV and VV words | no final nasal, both vowel and consonant initial words |
| 6.d | CVVn and VVn words | final nasal, no word medial glottal stop, both vowel and consonant initial vowel |

**Lesson 6:**

Monosyllabic words with level tones on both syllables: CVTVT, where the first tone is higher than the second.

**Lesson 6a (CV'V and V'V with tonal pattern 3.2, 4.3, and 4.2 NOTE that there is no pattern 4.1):):** In this list there are no nasal vowels except for cases of progressive nasalization. There are intermediate glottal stops. There are 8 words in which the tone on the first mora is higher than that of the second mora (see attached file Lesson-06-a\_CVqV-and-VqV\_tones-higher-2nd-mora.txt). The RegEx used to find these words in the dictionary:

\\lx [a-zñ]\*?[aeiou]'3[aeiou]2\r\n|\\lx [a-zñ]\*?[aeiou]4[aeiou]'[1-3]\r\n

**Practice: Set A: Users will only hear the 8 words in List 6a.**

**Practice: Set B: Users will hear words in lists 2a, 4a, and 6a. They must get two practices correct (15 words) to proceed to lesson 6b.**

**Lesson 6b (CV'Vn and V'Vn with tonal pattern 3.2, 4.3, 4.2, and 4.1):):** These are words that have a non-nasal consonant and final nasal vowel with intermediate glottal stop. There are 9 such words (see attached file Lesson-06-b\_CVqVn-and-VqVn\_tones-higher-2nd-mora.txt). The RegEx used to find these words in the dictionary:

\\lx [a-zñ]\*?[aeiou]'3[aeiou]n2\r\n|\\lx [a-zñ]\*?[aeiou]'4[aeiou]n[1-3]\r\n

**Practice: Set A: Users will only hear the 8 words in List 6b.**

**Practice: Set B: Users will hear words in lists 6a and 6b.**

**Practice: Set C: Users will hear words in lists 2a, 2b, 4a, 4b, 6a, 6b. They must get two practices correct (15 words) to proceed to Test 13.**

**Test 13: Users will be tested on words in Lists 2a–b, 4a–b, and 6a–b. They must get 46 of 50 words correct to proceed to Lesson 6c.**

**Lesson 6c (CVV and VV with tonal pattern 3.2, 4.3, 4.2, and 4.1):):** These arewords that have no word-medial glottal stop and no final nasal vowel. Words may be consonant or vowel initial. There are 29 such words (see attached file Lesson-06-c\_CVV-and-VV\_tones-higher-2nd-mora.txt). The RegEx used to find these words in the dictionary:

\\lx [a-zñ]\*?[aeiou]3[aeiou]2\r\n|\\lx [a-zñ]\*?[aeiou]4[aeiou][1-3]\r\n

**Practice: Set A: Users will only hear the 29 words in List 6c.**

**Practice: Set B: Users will hear words in lists 2c, 4c, and 6c.**

**Practice: Set C: Users will hear words in lists 2a, 2b, 2c, 4a, 4b, 4c, and 6a, 6b, and 6c. They must get two practices correct (15 words) to proceed to Lesson 6d.**

**Lesson 6d (CVVn and VVn with tonal pattern 3.2, 4.3, 4.2, and 4.1):):** In this list there are no intermediate consonant glottal stops but there are final nasal vowels. There are 7 words with this pattern (see attached file Lesson-06-d\_CVVn-and-VVn\_tones-higher-2nd-mora.txt). The RegEx used to find these words in the dictionary:

\\lx [a-zñ]\*?[aeiou]3[aeiou]n2\r\n|\\lx [a-zñ]\*?[aeiou]4[aeiou]n[1-3]\r\n

**Practice: Set A: Users will only hear the 7 words in List 6d.**

**Practice: Set B: Users will hear all words in Lessons 6a, 6b, 6c, and 6d.**

**Practice: Set C: Users will hear all words in Lessons 2a-d, 4a-d, and 6a-d. They must get two correct practices (15 words) to proceed to final exam.**

**Final Test: Summary test of lessons 1 through 6. Users will be tested with random words from the above patterns/lists. They must get all positive results on a test of 50 words twice in a row to proceed to the next level.**

**Level 7**

**Rising tones on first mora level tones on second mora in words with intermediate consonant**

**Patterns 13.2, 13.3, and 13.4 (29 words)**

**14.2, 14.3 and 14.4 (72 words)**

|  |  |  |
| --- | --- | --- |
|  | **Syllable structure** | **Presence or absence of glottal stop and final nasal** |
| 5.a | CVCV and VCV words | no word medial glottal stop, no final nasal (101) |
| 5.b | CVCVn and VCVn words | no word medial glottal stop, final nasal (10 words) |
| 5.c | CV'CV and V'CV words | word medial glottal stop, no final nasal (15 words) |

8. Falling tones on second mora (41, 32)

9. Rising and falling tones on first and second mora (e.g., 14.32)

10. Enclitics: consonant initial

11. Enclitics: vowel initial

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