

Quiz 5 -- Features

443 Quiz 5 - Features -2016.docx

Time: 30 minutes Points: 20

Open book: you can use any notes or references you like.

Look up any symbol you are not sure about.

1. Features and natural classes

(1) Chart the given inventory. Do separate charts for consonants and vowels, placing glides appropriately. (4 points)

(2) For each listed set of segments (1a-d): (2 points per set)

(a) Identify the segments in the given class on the relevant chart.

(e.g., circle using color. Say what color means what.)

(b) Give the minimal set of features needed to specify the given class in a language with the given inventory.

Inventory:[p ɲ t d nɲ x d³ t m b g ʃ ʒ k t^f ɖ ϕ s ɳ w i a u ɯ e ə y o]Charts: Consonants (and glides)Vowels (and glides)

(1.a) [u ɯ o ə a]

*Circle on chart and identify.**List minimal feature set:*

(1.b) [y o u]

*Circle on chart and identify.**List minimal feature set:*(1c) [t d nɲ d³ t ʃ ʒ s ɳ t^f ɖ]*Circle on chart and identify.**List minimal feature set:*(1d) [d nɲ d³ ɳ ɖ]*Circle on chart and identify.**List minimal feature set:*

(2) I am giving you two rules in our informal segment notation. For each rule, restate the rule in English, and then translate it into features following the conventions in Odden Chapter 3.
4 points per rule.

Assume an inventory in which all consonants are either bilabial, alveolar, or velar.

(2.a) [p, t, k] --> [b, d, g] / V ___ V

Statement in English:

Statement in features:

(2.b) One of our rules for Shambaa said the following:

[m, n, ŋ] → [m̥, n̥, ŋ̥] / # ___ voiceless stop

Statement in English:

Statement in features:

Grading notes 2016

/// see hard copy

Additional material not used 2016

and for the class defined in (1e)

(1.e) The retroflex consonants in this inventory: Circle them on the chart and give a feature description.

Circle on chart and identify.

List minimal feature set:

Solution

p t tʃ t k
b d dʒ d ɡ
m n ɲ ŋ

i y ʊ u
e ə o
a