

LING 313.02 – Problem Set 2

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Exercise 1

Write down the phonetic transcript of what you hear (and only what you hear) in the following recordings. I will play them in class.

a. Recording 1: _____

b. Recording 2: _____

c. Recording 3: _____

Exercise 2

Examine the following words below. If the word is transcribed correctly, say it is correct. If there is a mistake in transcription, according to canonical standard Turkish phonetics, point it out, and state why it is incorrect. Do not correct it. *e.g.* [te^hyl]

Correct Answer: The wrong part is the phoneme l^h. In Turkish, only voiceless oral stops get aspirated, and laterals do not.

a. /diɾse^h/:

b. [t^honok^h]:

c. [st^haɪbaks]:

d. [ɭaɸebesɪ]

Exercise 3: Multiple Choice Questions

- a. Circle the words that have a permissible word-final consonant cluster in Turkish

[iymɛnl] [alɛnɛŋk] [uvukft^h] [ʃaxatr̥] [natʃ^holz]

- b. Circle the words that do not contain velar consonant

eşkiya anne tutku ulvi anka

- c. Circle the words that starts with an alveopalatal sound

cacık kahin tren jandarma çan

- d. Circle the words that do not have any difference between phonetic and phonemic transcription

ahenk ekim fıstıkçı şahap patates arazi

- e. Circle the words that only contain [-high] sounds

tren kavak özenle çorap yapay elf

Exercise 4

Transcribe the following words using phonetic symbols.

- | | | | |
|--------------|--------------------------|-----------|--------------------------|
| a. vücut | [] | f. volkan | [] |
| b. cetvel | [] | g. bencil | [] |
| c. küfür | [] | h. bekçi | [] |
| d. sergüzeşt | [] | i. sahte | [] |
| e. rüzgar | [] | j. tercih | [] |

Exercise 5

Write the phonetic symbol for each of the articulatory descriptions given below and give an example that contains the relevant sound.

Articulatory Description	Phonetic Symbol	Example
e.g., voiced palatal stop	[j]	rüzgar
voiceless velar fricative		
velarized lateral approximant		
voiceless bilabial fricative		
voiceless velar oral stop		

Exercise 6

Identify the allophones present in each word and explain the phonological rule that applies. Focus on vowel allophones.

- a. kabul (focus on the vowel /u/)

Allophone(s): _____ Rule: _____

- b. hâlâ (focus on the vowel /a/)

Allophone(s): _____ Rule: _____

- c. ben (focus on the vowel /e/)

Allophone(s): _____ Rule: _____

Exercise 7

Circle all the words that contain the specified vowel allophone.

- a. Circle the words that contain [ɛ] (open-mid front unrounded vowel):

ben beni kel keli tel ev pencere

- b. Circle the words that contain a fronted low back unrounded vowel:

kâr kar hâlâ hala lâl lal âlâ

- c. Circle the words that contain a fronted high back rounded vowel:

ulvi kuzu kabul üslup lunapark un

- d. Circle the words that contain a fronted mid back rounded vowel:

sol (sağ-sol) sol (nota) lop ot kontrol orman

- e. Circle the words where /e/ is realized as [e] (close-mid) rather than [ɛ] (open-mid):

ev ben gel bebek elbise telefon