

ENGL 227 Homework #2 (Phonology)

Suggested Answers

I have listed the seven steps from the “basic steps” handout as steps a-g below.

24. Sindhi

- a. [pənu], [p^hənu], [bənu]
- b. contrastive distribution
- c. /p/, /p^h/, /b/
- d. -----
- e. -----
- f. -----
- g. -----

Additional question: The relationships between these allophones are not the same in English and Sindhi because in Sindhi, all three sounds are phonemes, but in English, [p^h] is not a phoneme, but just an allophone of the phoneme /p/.

25. Italian

For all minimal pairs:

- a. [tiŋgo], [tɛŋgo]; [fuŋgo], [faŋgo]
- b. contrastive
- c. /i/, /ɛ/; /u/, /a/
- d. -----
- e. -----
- f. -----
- g. -----

For [n] and [ŋ]:

- a. -----
- b. complementary
- c. -----
- d.

[n]	[ŋ]
i__t	i__g
ɛ__d	ɛ__g
a__t	u__g
#__e	a__k
ɛ__t	a__k
o__e	a__g

- e. [ŋ] occurs only before a velar.
[n] occurs only elsewhere.

- f. /n/
 g. /n/ → [ŋ] / ___ velar

26. Spanish

- a. -----
 b. complementary
 c. -----
 d.

[d]	[ð]
# ___f	a ___a
# ___o	a ___o
# ___i	o ___i
n ___a	i ___a
l ___o	
# ___u	
l ___o	
l ___a	

- e. [ð] occurs after a vowel (or between vowels).
 [d] occurs only elsewhere.
 f. /d/
 g. /d/ → [ð] / V___ (or V___V)

(For this question either “after a vowel” or “between vowels” is acceptable. As long as your answer is true of the data on the page, it will count.)