## FINAL EXAMINATION (Two Hours) January 23, 2006

## I. Answer the following two questions.

Α.	Mark the following statements as TRUE or FALSE.
	a. Rhotacization is one type of secondary articulation.
	unmarked to the natural occurrence of sounds.
	Thus [i] is unmarked, but [y] (front rounded vowel) is marked.
	c. English tends to have a systematic stress pattern, with the primary stress
	always falling on the final syllable.
	d. The quality of a vowel sound is determined by the values of its first three
	formants.
	e. Vowel rounding is determined by the shape of the lips.
	f. Nasals do not show any formant structures on a spectrogram.
	g. It is relatively easy to define syllables but hard to identify them.
	h. Women normally speak at a higher pitch than men do.
	i. English has no geminate sounds within words.
	j. English accents are usually marked by differences in the way vowels and
	diphthongs are pronounced.
	k. The fourth formant usually indicates individual characteristics of speech
	sounds.
	1. The production of emphatic sounds in Arabic does not involve any
	pharyngealization or velarization.
В.	Fill in the blanks in the following sentences with the appropriate terms.
1.	Voice Onset Time (VOT) refers to the moment at which the starts relative to the release of a closure.
2.	Sonorant is a term used to refer to and approximants.
3.	Nasal plosion is the release of a by lowering the soft palate so that
	air escapes through the nose, as at the end of the word <i>sudden</i> .
4.	The rhyme part of a syllable consists of the and the coda.
5.	Palatalization is a secondary articulation that involves raising the
	of the tongue.
6.	A diphthong may be defined as the movement from one vowel to another within a
	single .
7.	correlates with the position of the soft palate.
8.	Stops may vary in their voice onset time. In this respect, [p, t, k] are

		stops and [b, d, g] are	stops.		
9.	cho	laryngealization, the arytenoid cartilages are to ords can vibrate only at theausa [b], are also called	end. The resultant sounds, as in		
10	. A	fricative may occur as allop	 phone of [f] before [p] in words like		
	if				
II.	An	nswer <u>three</u> of the following questions.			
A.	A. Define eight of the following terms and give examples of each.				
	1.	Ingressive velaric consonants:			
	2.	Implosive stops:			
	3	Sound frequency:			
	٥.	Sound frequency.			
	4.	Tonic accent:			

5. Assimilation processes:

6.	Palatography:
7.	Pharyngealization:
8.	Cardinal vowels:
9.	Glottalic airstream mechanism:
10	. Sonority of a sound:
	uke a broad phonemic transcription of the following utterances aversational style)

1.	The disasters that have befallen our world from Tsunami to hurricanes are signs of our neglect of the environment.
	One of the forces acting on languages may be called the principle of <i>sufficient</i> perceptual separation.
3.	Heads and Shoulders is an excellent shampoo for dealing with dandruff.
4.	The Oxford English Dictionary in its new edition has adopted IPA transcription for indicating proper pronunciation.
5.	Your use of camaraderie talk is annoying because you sound like a fake Russian.
C.	Explain how the findings of acoustic phonetics have helped phoneticians better understand the following concepts (4 out of 5):  1. Quality of vowels:

2.	Natural classes of sounds (stops, liquids, voiced, back, diphthongs, etc.)
3.	Vowel height and vowel backness:
4.	Gender differences in pitch:
5.	Vowel length before voiced and voiceless consonants:
	plain why people differ in their judgments of the number of syllables in the llowing words:  real, steal, veal:

b.	laboratory, dictionary, mandatory:
c.	thickening, lightening, blackening:
d.	merrier, heavier, happier:
e.	socialism, communism, patriotism:
<b>E.1. I</b> 1	adicate the intonation patterns that might occur in the following situations:  How long does it take you to understand? (polite question)