

Answer **ALL** questions in a bluebook. Put your name on **EVERYTHING** you hand in. Fold and place the exam sheet in the bluebook as well. Follow time indications. There are two pages to the exam. **80 MINUTES.**

1. Define the following terms in 1–2 sentences. 10 mins.

1. consonant
2. lateral
3. ingressive
4. palatalization
5. pharynx

2. List the **THREE** suprasegmental features and the physical variable each is related to. 5 mins.

3. What **THREE** sets of information does the phonological module contain? 5 mins.

4. Give articulatory definitions of the following sounds. 10 mins.

1. [ϕ]
2. [pʰ]
3. [ɟ]
4. [nʲ]

5. Give phonetic symbols for the following articulatory definitions. 5 mins.

1. mid lax front unrounded nasal vowel
2. voiceless high lax central unrounded vowel
3. high tense front rounded vowel
4. “schwa”

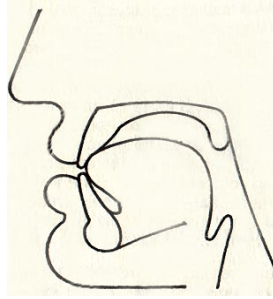
6. Copy the following “ratios,” filling in the blanks. 5 mins.

1. [m] : [b] :: [ ] : [d] :: [ɲ] : [ ] :: [ ] : [ɠ]

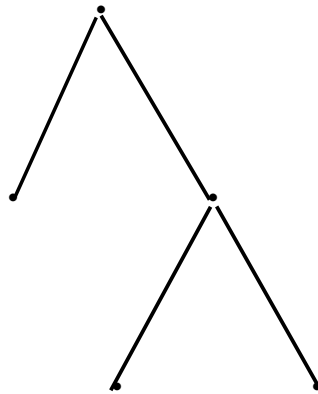
2. [i] : [ü] :: [ɪ] : [ ] :: [e] : [ ] :: [ɛ] : [ ]

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7. Describe the following articulation; what are you able to infer from it; what segments might it represent? 10 minutes.



8. How does the concept of “voice onset time” relate to the phonetic feature of “aspiration”? 10 mins.
9. The tree below represents the structure of the syllable. Recopy it, labeling the nodes (with full words) appropriately. Then, using C or V, indicate the terminal nodes customarily realized as Consonant or Vowel, resp. 5 mins.



10. In each of the following English words, one or more letters is in bold type and underlined. State what detail(s) or process(es) of English pronunciation these letters illustrate. 10 mins.

1. **top**            3. **Betty**  
2. **plate**            4. **bean**

11. Consider the initial consonant clusters of the following words. Which **DO NOT** conform to the customary sequential constraints of English? You can answer simply by listing numbers. 5 mins.

1. sprash            3. splim            5. skrig  
2. sflick            4. fprid            6. sblish