

UNIVERSITI SAINS MALAYSIA

Peperiksaan Semester Kedua  
Sidang Akademik 2003/2004

February/March 2004

**HET223 – Psycholinguistics**

Time : 3 hours

Please check that this examination paper consists of **TWO** pages of printed material before you begin the examination.

**Instructions:**

Answer any **FOUR** questions. All questions carry the same marks.

1. Discuss various experiments which have been conducted in order to teach human language to non-human primates. You may discuss your answer by referring to studies done on Washoe, Lara, Sarah and Nim Chimpsky. What conclusions can you draw from such studies?
2. Discuss the neuroanatomical structures of the language areas of the brain and the neural pathways that are involved in speech production, reading aloud and speech comprehension.
3. Discuss the issue of '*Lack of Invariance*' in speech perception and factors that contribute to the absence of invariance in the speech signal.

4. Speech errors provide indirect evidence for units, stages and cognitive computations involved in speech production. Discuss what do speech error data suggest about the process of speech production?
5. Discuss briefly any FIVE of the following terms:
  - [a] Critical Period Hypothesis.
  - [b] Wada Test.
  - [c] Garden Path Model.
  - [d] Categorical Perception of Voicing Contrast.
  - [e] Krashen's Input Hypothesis.
  - [f] Angular Gyrus.