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UNIVERSITI SAINS MALAYSIA

Second Semester Examination  
2015/2016 Academic Session

June 2016

**HET 225 – PHONETICS AND PHONOLOGY**

Duration : 2 hours

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

Answer any THREE questions. All questions carry the same marks.

1. What are the main articulatory requirements which are necessary for the production of nasal stops? With the help of sagittal diagrams, briefly describe how any FIVE voiced nasal stops are articulated.

[100 marks]

2. Explain the activities which involve *initiation* of the airflow or *airstream mechanism* in the production of speech sounds. Give an account of the various airstream mechanisms used in human speech. Illustrate your answer with diagrams and examples.

[100 marks]

3. Describe an anatomical structure of the supra-laryngeal system of human vocal tract. Explain how the air flow modifications take place in the supra-laryngeal system which results in the production of distinct speech sounds. Illustrate your answer with diagrams and examples.

[100 marks]

4. Stress is an aspect of supra segmental level of speech description. It is one way of making a syllable perceptually more prominent. Explain how stress is used at various levels of speech production in English.

[100 marks]

5. Generative phonology views phoneme as made up of a set of distinctive features. Explain the concept of distinctive features and describe any FIVE major class features proposed by the generative phonology.

[100 marks]