

**QP Code: 105377**

Reg.No.: .....

First Year MASLP Degree Supplementary Examinations - May 2014

**PSYCHOPHYSICS OF AUDITION**

**Time: 3 Hours**

**Max Marks: 80**

- Answer all questions

**Essay**

**(5x16=80)**

- 1 Describe masking and excitation pattern of the basilar membrane. Discuss the importance of studying loudness adaptation  
(10+6)
- 2 What is frequency resolution and frequency discrimination. Describe the concepts of auditory filters and use evidences from recent research to illustrate the concept.  
(8+8)
- 3 Describe the procedures that you would use to demonstrate masking level difference and remote masking. What is temporal modulation detection threshold. What is its significance for speech identification. How it is affected in individuals with sensory and neural hearing loss  
(6+2+4+4)
- 4 What is time intensity trading and monaural localization. What is the clinical utility of binaural fusion. Compare the utility of TEN test and psychophysical tuning curves in assessing the status of the cochlea  
(3+4+9)
- 5 What are the neuro physiological processes involved in the perception of localization and lateralization. What are the different processes involved in binaural processing of auditory signals. Briefly mention a test each for measuring each of these processes  
(8+4+4)

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