

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[AHS 0222]**

**FEBRUARY 2022  
(OCTOBER 2021 EXAM SESSION)**

**Sub. Code: 3006**

**MASTER OF AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY  
FIRST YEAR (From 2010-2011 onwards)  
PAPER VI – PSYCHOPHYSICS  
*Q.P. Code : 433006***

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 100 Marks**

**I. Elaborate on :**

**(2x20=40)**

1. Explain theory of signal detection and its clinical applications in detail.
2. Explain various aspects of binaural hearing and its clinical application with examples.

**II. Write notes on :**

**(10x6=60)**

1. Florentine theory of softness imperceptions.
2. Theories and models of loudness perception.
3. Frequency resolution.
4. Critical band concept.
5. Gap detection.
6. Levels of adaptation and its physiology.
7. Ohm's law.
8. Auditory scene analysis.
9. Durlach and Jeffress models.
10. Role of pinna in localization.

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