

**Q.P. Code: 105389**

**Reg. No.:.....**

**First Semester M.Sc Audiology Degree Regular/Supplementary  
Examinations January 2022**

**A 105: Hearing Sciences**

**Time: 3 hrs**

**Max marks: 80**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essays**

**(5x16=80)**

1. With appropriate examples explain the concept of sensitivity, criterion point, hit, false alarm, miss and correct rejection. Also add a note on ideal observer.
2. Describe the factors affecting loudness perception.
3. Describe in detail about the spectral and temporal theories of pitch perception.
4. Explain the various methods to estimate auditory filter shape.
5. What is a psycho-physical overshoot in masking. Explain the mechanisms and factors affecting psychophysical overshoot.

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