

MASTER OF SCIENCE (AUDIOLOGY)
M.Sc. (AUDIOLOGY) Sem-I :SUMMER- 2022
SUBJECT : HEARING SCIENCES

Day : Wednesday

Time : 10:00 AM-01:00 PM

Date : 21-09-2022

S-19537-2022

Max. Marks : 80

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat and labelled diagram **WHEREVER** necessary.
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Q.1 Attempt **ANY FOUR** out of the **SIX** of the following **4 × 15 = 60**

- a) Explain the theory of signal detection and its application in the field of audiology.
- b) Describe methods to obtain difference limen of intensity.
- c) Discuss various factors affecting pitch perception of tones with literature support.
- d) Explain loudness perception across normal hearing and individuals with hearing impairment.
- e) Describe the critical band and peripheral masking phenomenon.
- f) Discuss the phenomenon of recruitment in individuals with hearing impairment.

Q.2 Attempt short notes on **ANY FOUR** out of the **SIX** of the following

4 × 5 = 20

- a) Softness imperceptions
- b) Adaptive methods of threshold estimation
- c) Central masking
- d) TEN test
- e) Loudness Scales
- f) LTASS

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