

**I Semester MASLP Examination, December 2019**

**(Scheme : CBCS)**

**SPEECH AND HEARING (HC)**

**Research Methods & Statistics in Speech Language & Hearing**

**Time : 2 Hours**

**Max. Marks : 50**

**Instruction : Attempt all questions.**

**I. Q1)** Citing examples from the field of speech language or Audiology describe the following. **[15]**

- a) Standard group comparison
- b) Ex-port facto research.

OR

**Q2) a)** Describe the various types of validity checks. **[7]**

**b)** Write a note on different types of quasi experimental designs. **[8]**

**II. Q3)** Write an essay on the general principles & standards of reading & writing research reports. **[10]**

OR

**Q4)** What are the different types of true experimental designs? Elaborate with examples. **[10]**

**III. Q5) a)** What are the various methods used to analyze correlation & regression? Give few examples. **[8]**

**b)** Differentiate between ANOVA & MANOVA. **[7]**

OR

**P.T.O.**

Q6) Write a note on:

[5 × 3 = 15]

- a) Cluster analysis.
- b) Independent t-test
- c) Post-hoc tests

IV. Q7) a) When & on what types of data do you apply Kruskal - Wallis test & Friedman's test? [6]

b) Describe Chi square test & state when it is used, citing examples from the field of speech language or hearing. [4]

OR

Q8) Write a note on :

[10]

- a) Parametric versus Non parametric tests.
- b) Correlation versus regression.



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**I Semester M.Sc. Examination, December 2019**

**(Scheme : CBCS)**

**AUDIOLOGY**

**Auditory Perception**

**Time : 2 Hours**

**Max. Marks : 50**

**Instructions:** 1) *Answer all questions.*  
2) *Write diagrams and figures wherever necessary.*

I. Q1) Describe the technical aspects of signals to the generated, modified or reproduced for psychoacoustic experiments. [10]

OR

Q2) What are the applications of the signal detection theory? [10]

II. Q3) Enumerate the factors those affect perception of Loudness. [15]

OR

Q4) Write notes on: [3 × 5 = 15]

- a) Pitch of complex signal.
- b) Steven's power law
- c) Equal loudness contours

III. Q5) Describe the importance of spectral cues in the perception of auditory object. [10]

OR

Q6) Write notes on:

- a) Co-modulation masking release. [5]
- b) Non - simultaneous masking. [5]

IV. Q7) Critically evaluate the models of temporal processing. [15]

OR

Q8) Discuss the various methods used to estimate temporal resolution. [15]





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**I Semester M.Sc. Examination, December - 2019**

**(Scheme : CBCS)**

**AUDIOLOGY**

**Physiological Assessment of the Auditory System**

**Time : 2 Hours**

**Max. Marks : 50**

**Instruction : Answer all questions.**

I. Q1) Critically evaluate Vanhuysse and Van Camp model of multicomponent tympanometry. [15]

OR

Q2) Explain clinical applications of wideband reflectance and wideband tympanometry. [15]

II. Q3) Write an essay on reflectometry. [15]

OR

Q4) 'There is a need for extensive research on middle ear muscle reflexes'. Discuss. [15]

III. Q5) With literature support explain the relationship between SOAE and tinnitus. [10]

OR

Q6) Elaborate on amplitude, latency, phase and reproducibility of OAEs. [10]

IV. Q7) Explain clinical significance of fine structure DPOAEs. [10]

OR

Q8) Explain procedure to record SFOAE and its applications. [10]





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**I Semester I Year M.Sc (Audiology) Examination,  
December - 2019  
(Scheme CBCS)  
AUDIOLOGY  
Diseases of The Ear and Auditory Pathway (SC)**

**Time : 2 Hours**

**Max. Marks : 50**

**Instructions: Answer all questions.**

1. Describe organ of corti & central auditory pathway. [15]

OR

2. Describe the middle ear cleft. [15]

3. Describe the clinical features & management of chronic suppurative otitis media. [15]

OR

4. Describe the clinical features & management of otosclerosis. [15]

5. Define ototoxicity. List the effects of cochleotoxic & vestibulotoxic drugs. [10]

OR

6. Write notes on therapeutic uses of ototoxic drugs & pharmacology related to it. [10]

7. Describe the surgical and medical management of vestibular disorders. [10]

OR

8. Write short notes on: [2×5=10]

a) Rehabilitation of vestibular problems.

b) Benign paroxysmal positional vertigo.



