

**Q.P. Code: 103389**

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

**First Semester M.Sc Audiology Degree Regular Examinations  
May 2021**

**A 103: Cochlear Physiology**

**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. (a) Explain the anatomy of temporal bone and discuss its importance in hearing.  
(b) Discuss the middle ear transformer function. (8+8)
2. Discuss the neural innervations of cochlea with a neat diagram.
3. Discuss various phenomena which indicate the non-linear behavior of cochlea.
4. Explain in detail the Endocochlear potentials.
5. Discuss recent advances in theories of hearing.

\*\*\*\*\*