

Q.P. Code: 102389

Reg. No.:.....

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

A 102: Technology in Audiology

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. Describe working principle of fMRI. Discuss applications of fMRI in hearing sciences.
2. Discuss principle and operation of omnidirectional and directional microphone. Explain briefly different types of compression used in hearing aids
3. Explain calibration of audiometers.
4. Explain signal processing algorithms in hearing aids.
5. Define digital signal processing.
