

Q.P. Code: 302389

Reg. No.:.....

**Third Semester M.Sc. Audiology Degree Regular/Supplementary
Examinations January 2023**

A 302: Electrophysiological Assessment

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. Explain the 10 -20 classification of AEPs and justify the importance of dipole orientation in capturing the AEPs. Briefly explain the trade-off between stimulus duration and epoch time on repetition rate. (8+8)
2. Explain Acoustic change complex and its components. Write the recording and stimulus parameters of acquiring ACC. Explain the clinical implication of ACC (3+8+5)
3. Justify the statement 'P300 is a biomark for auditory identification'. What are the factors affecting the P300. (10+6)
4. Short notes
 - MMN
 - Electrocochleography
 - ASSR
 - ABR for Chained stimuli (4+4+4+4)
5. Explain the anaesthetic agents on electrophysiological response of the auditory system. Describe the recording of auditory evoked potentials during surgery, requirement and patient preparation (6+10)
