

Q.P. Code: 301389

Reg. No.:.....

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

A 301: Genetics of Hearing and Paediatric 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. Explain the role of myosin VII A in hair cell development and function. What are the genes responsible for non-syndromic hearing loss (8+8)
2. Name the behavioral tests and mention the age at which test can be administered. Explain one behavioral test procedure to assess hearing ability in children. What are the factors affecting the utilization of behavioral test to assess hearing ability in children (3+8+5)
3. Write one physiological test which has high sensitivity in detecting the mild hearing loss and justify. What is the importance of high risk register in new born hearing screening test (10+6)
4. What are the advantages of including the speech audiometry in the test battery to assess hearing ability in children. What are the necessary factors that need to be kept in mind for the development of speech audiometry test for children (6+10)
5. What is cross check principle and write its importance in hearing evaluation. Justify the statement 'electrophysiological test yields accurate results than behavioral test in assessing hearing ability in children' (6+10)
