

**Q.P. Code: 305015**

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

**Third Year BASLP Degree Supplementary Examinations May 2023**

**Pediatric 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:**

**(4x10=40)**

1. "Including both HRR and OAE can improve the sensitivity of newborn hearing screening program rather than including any one of them". Critically evaluate the statement. Also, list the merits and demerits of including the ABR in newborn hearing screening protocol.
2. Explain the development of inner ear with neat diagram
3. Discuss the role of JCIH in early identification of hearing loss in children.
4. Optimize the protocol to record ABR from 3 month old baby. What precaution would you take while interpreting the results.

**Short notes**

**(5x5=25)**

5. What are the risk factors to be included in the HRR to maximise the sensitivity and specificity.
6. Describe the principle and procedure of reflectometry
7. What makes the DPOAE as the most suitable test for newborn hearing screening
8. What are the speech audiometry test materials available in the Indian languages.
9. Describe the auditory behaviour development from 0 to 6 months.

**Answer briefly**

**(5x3=15)**

10. Auditory deprivation. How it can be overcome
11. Pre-natal hearing
12. What is an automated ABR. Briefly mention its role in hearing screening
13. Having two observers for the BOA procedure is better than having only one observer. Justify.
14. Describe any one standardised test in English to assess the speech recognition ability in children.

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