

**Q.P.Code: 306015**

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

**Third Year BASLP Degree Supplementary Examinations July 2022  
Environmental 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. Explain the histopathological changes in the cochlea after loud noise exposure.
2. What are the major audiometric indicators of noise-induced hearing loss.
3. What is a sound level meter. Explain various components of a sound level meter with a neat block diagram.
4. What is the need for a hearing conservation program. What are the steps involved in the hearing conservation program

**Short notes:**

**(5x5=25)**

5. What is a noise reduction rating. What is the average NRR of different ear/hearing protection devices.
6. Write a note on any two tests for measuring noise susceptibility.
7. Explain the procedure of evaluating the attenuation characteristics of EPDs.
8. Write a note on Indian acts/regulations related to noise pollution.
9. What is a damage risk criterion. Based on the damage risk criterion, how will you calculate that a person is at risk of developing NIHL.

**Answer briefly:**

**(5x3=15)**

10. AAOO Formula
11. Factors in claim evaluation for hearing loss after noise exposure
12. Auditory Toughening.
13. Noise dose meter
14. High-frequency audiometry in NIHL.

\*\*\*\*\*