

Q.P.Code: 306015

Reg. No.:.....

**Third Year BASLP Degree Supplementary Examinations January 2023
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 effect of loud noise exposure on the anatomy and physiology of the cochlea.
2. Write a note on the objective audiological evaluation of individuals exposed to loud noises for long durations.
3. What are the merits and demerits of different types of hearing protection devices.
4. What are the different regulations for claims related to hearing loss after noise exposure. Explain.

Short notes:

(5x5=25)

5. What are the non-auditory effect of noise exposure.
6. How will you correct the effect of presbycusis while evaluating noise-induced hearing loss in older adults.
7. Explain different speech audiometric procedures sensitive to identifying the effect of noise on hearing and perception.
8. With a neat block diagram, explain the instrumentation and procedure of indoor noise and vibration measurement.
9. Explain briefly the tests for susceptibility of hearing loss due to noise.

Answer briefly:

(5x3=15)

10. Temporary and permanent threshold shift
11. NC Curves
12. Toughening of ear protection devices
13. Fletcher eight-point formula
14. ASA-Z 24.5
